



SHI-PRODUKTPASS

Produkte finden - Gebäude zertifizieren

SHI-Produktpass-Nr.:

15313-10-1002

Hager Bewegungs- und Präsenzmelder für energieeffiziente Beleuchtungssteuerung

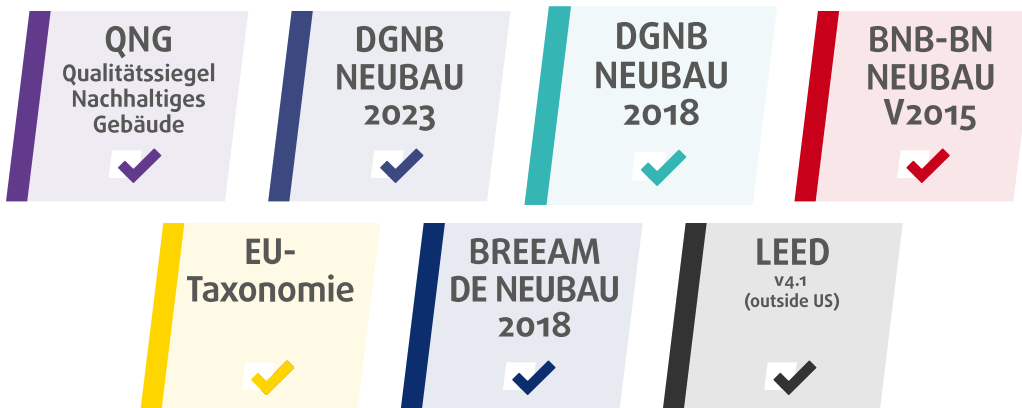
Warengruppe: Elektroinstallation - Beleuchtung - Sonstiges



Hager Vertriebsgesellschaft mbH & Co. KG
Zum Gunterstal
66440 Blieskastel



Produktqualitäten:



Köttner

Helmut Köttner
Wissenschaftlicher Leiter
Freiburg, den 05.06.2026



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Wir sind stolz darauf, dass die SHI-Datenbank, die erste und einzige Datenbank für Bauprodukte ist, die ihre umfassenden Prozesse sowie die Aktualität regelmäßig von dem unabhängigen Prüfunternehmen SGS-TÜV Saar überprüfen lässt.





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QNG - Qualitätssiegel Nachhaltiges Gebäude

Das Qualitätssiegel Nachhaltiges Gebäude, entwickelt durch das Bundesministerium für Wohnen, Stadtentwicklung und Bauwesen (BMWSB), legt Anforderungen an die ökologische, soziokulturelle und ökonomische Qualität von Gebäuden fest. Das Sentinel Holding Institut prüft Bauprodukte gemäß den QNG-Anforderungen für eine Zertifizierung und vergibt das QNG-ready Siegel. Das Einhalten des QNG-Standards ist Voraussetzung für den KfW-Förderkredit. Für bestimmte Produktgruppen hat das QNG derzeit keine spezifischen Anforderungen definiert. Diese Produkte sind als nicht bewertungsrelevant eingestuft, können jedoch in QNG-Projekten genutzt werden.

Kriterium	Pos. / Bauproduktgruppe	Betrachtete Stoffe	QNG Freigabe
3.1.3 Schadstoffvermeidung in Baumaterialien			QNG-ready nicht bewertungsrelevant



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DGNB Neubau 2023

Das DGNB-System (Deutsche Gesellschaft für Nachhaltiges Bauen) bewertet die Nachhaltigkeit von Gebäuden verschiedener Art. Das System ist sowohl anwendbar für private und gewerbliche Großprojekte als auch für kleinere Wohngebäude. Die Version 2023 setzt hohe Standards für ökologische, ökonomische, soziokulturelle und funktionale Aspekte während des gesamten Lebenszyklus eines Gebäudes.

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt, 03.05.2024 (3. Auflage)			nicht bewertungsrelevant

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt, 29.05.2025 (4. Auflage)			nicht bewertungsrelevant



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DGNB Neubau 2018

Das DGNB-System (Deutsche Gesellschaft für Nachhaltiges Bauen) bewertet die Nachhaltigkeit von Gebäuden verschiedener Art. Das System ist sowohl anwendbar für private und gewerbliche Großprojekte als auch für kleinere Wohngebäude.

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt			nicht bewertungsrelevant



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BNB-BN Neubau V2015

Das Bewertungssystem Nachhaltiges Bauen ist ein Instrument zur Bewertung von Büro- und Verwaltungsgebäuden, Unterrichtsgebäuden, Laborgebäuden sowie Außenanlagen in Deutschland. Das BNB wurde vom damaligen Bundesministerium für Umwelt, Naturschutz, Bau und Reaktorsicherheit (BMUB) entwickelt und unterliegt heute dem Bundesministerium für Wohnen, Stadtentwicklung und Bauwesen.

Kriterium	Pos. / Bauprodukttyp	Betrachtete Schadstoffgruppe	Qualitätsniveau
1.1.6 Risiken für die lokale Umwelt			nicht bewertungsrelevant



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EU-Taxonomie

Die EU-Taxonomie klassifiziert wirtschaftliche Aktivitäten und Produkte nach ihren Umweltauswirkungen. Auf der Produktebene gibt es gemäß der EU-Verordnung klare Anforderungen zu Formaldehyd und flüchtigen organischen Verbindungen (VOC). Die Sentinel Holding Institut GmbH kennzeichnet qualifizierte Produkte, die diesen Standard erfüllen.

Kriterium	Produkttyp	Betrachtete Stoffe	Bewertung
DNSH - Vermeidung und Verminderung der Umweltverschmutzung			nicht bewertungsrelevant



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BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) ist ein britisches Gebäudebewertungssystem, welches die Nachhaltigkeit von Neubauten, Sanierungsprojekten und Umbauten einstuft. Das Bewertungssystem wurde vom Building Research Establishment (BRE) entwickelt und zielt darauf ab, ökologische, ökonomische und soziale Auswirkungen von Gebäuden zu bewerten und zu verbessern.

Kriterium	Produktkategorie	Betrachtete Stoffe	Qualitätsstufe
Hea 02 Qualität der Innenraumluft			nicht bewertungsrelevant



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LEED v4.1

LEED (Leadership in Energy and Environmental Design) ist ein international anerkanntes Gebäudezertifizierungssystem des U.S. Green Building Council. Es zählt zu den weltweit am weitesten verbreiteten Nachhaltigkeitsstandards für Gebäude und wird insbesondere bei international ausgerichteten Projekten eingesetzt. LEED bewertet Gebäude ganzheitlich in Kategorien wie Energieeffizienz, Ressourcenschonung, Materialauswahl, Innenraumqualität und Standortqualität. Je nach erreichter Punktzahl werden die Zertifizierungsstufen LEED Certified, Silver, Gold oder Platinum vergeben.

Kriterium	Produktkategorie	Betrachtete Stoffe	Bewertung
EQ Credit: Low-Emitting Materials			nicht bewertungsrelevant



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Produktsiegel

In der Baubranche spielt die Auswahl qualitativ hochwertiger Materialien eine zentrale Rolle für die Gesundheit in Gebäuden und deren Nachhaltigkeit. Produktlabels und Zertifikate bieten Orientierung, um diesen Anforderungen gerecht zu werden. Allerdings besitzt jedes Zertifikat und Label eigene Prüfkriterien, die genau betrachtet werden sollten, um sicherzustellen, dass sie den spezifischen Bedürfnissen eines Bauvorhabens entsprechen.



Produkte mit dem QNG-ready Siegel des Sentinel Holding Instituts eignen sich für Projekte, für welche das Qualitätssiegel Nachhaltiges Gebäude (QNG) angestrebt wird. QNG-ready Produkte erfüllen die Anforderungen des QNG Anhangdokument 3.1.3 "Schadstoffvermeidung in Baumaterialien". Das KfW-Kreditprogramm Klimafreundlicher Neubau mit QNG kann eine höhere Fördersumme ermöglichen.



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Rechtliche Hinweise

(*) Die Kriterien dieses Steckbriefs beziehen sich auf das gesamte Bauobjekt. Die Bewertung erfolgt auf der Ebene des Gebäudes. Im Rahmen einer sachgemäßen Planung und fachgerechten Installation können einzelne Produkte einen positiven Beitrag zum Gesamtergebnis der Bewertung leisten. Das Sentinel Holding Institut stützt sich einzig auf die Angaben des Herstellers.

Alle Kriterien finden Sie unter:

<https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfkriterien%20f%C3%BCr%20Produkte>

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Herausgeber

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info@sentinel-holding.eu
www.sentinel-holding.eu



EED518

Bewegungsmelder Highbay DALI2 360°, Aufputzmontage, Erfassungshöhe 8m

Technische Eigenschaften

Erfassung

Ausführung Sensor	Bewegungsmelder
Erfassungswinkel	360 - 360
Erfassungswinkel horizontal	0 - 0

Beleuchtung

Stromversorgung der LED-Lampe	0 W
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Einstellungen

Ausschaltverzögerungszeit	0 s
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Beleuchtung

Schaltschwelle	5 - 2000 lx
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Einstellungen

Einschaltverzögerungszeit	0 s
---------------------------	-----

Anschluss

Anschluss-/Steckertyp	Steckklemme
-----------------------	-------------

Frequenz

Frequenz	50 - 60 Hz
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Abmessungen

Einbautiefe	0 mm
Montagehöhe	8 - 8 m

Werkstoff

Werkstoff	Kunststoff
Glanzgrad	Glänzend

Sicherheit

IP-Klasse (Ingress Protection)	IP41
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Installation, Montage

Montage auf	Aufputz
Geeignet für Deckenmontage	Ja

Spannungsversorgung

Versorgungsspannung	230 V
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Reichweite

Max. Reichweite frontal	7 m
Max. Reichweite zu einer Seite	11 m

Nachhaltigkeit

RoHS-konform	Ja
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EER513

Präsenz-/ Bewegungsmelder 360°, Aufputzmontage, Schließerkontakt, Erfassung Ø20m

Technische Eigenschaften

Erfassung

Ausführung Sensor	Präsenzmelder
Erfassungswinkel	360 - 360
Erfassungswinkel horizontal	0 - 0

Beleuchtung

Stromversorgung der LED-Lampe	400 W
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Einstellungen

Ausschaltverzögerungszeit	0 s
---------------------------	-----

Beleuchtung

Schaltschwelle	5 - 2000 lx
----------------	-------------

Einstellungen

Einschaltverzögerungszeit	0 s
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Anschluss

Anschluss-/Steckertyp	Steckklemme
-----------------------	-------------

Frequenz

Frequenz	50 - 60 Hz
----------	------------

Abmessungen

Einbautiefe	78 mm
Montagehöhe	2,50 - 2,50 m

Werkstoff

Werkstoff	Kunststoff
Glanzgrad	Matt

Sicherheit

IP-Klasse (Ingress Protection)	IP41
--------------------------------	------

Installation, Montage

Montage auf	Aufputz
Geeignet für Deckenmontage	Ja

Reichweite

Max. Reichweite frontal	5 m
Max. Reichweite zu einer Seite	10 m

Nachhaltigkeit

REACH-SVHC frei	Ja
RoHS-konform	Ja



EED513

Präsenz-/ Bewegungsmelder DALI2 360°, Aufputzmontage, Erfassung Ø20m

Technische Eigenschaften

Erfassung

Ausführung Sensor	Präsenzmelder
Erfassungswinkel	360 - 360
Erfassungswinkel horizontal	360 - 360

Beleuchtung

Stromversorgung der LED-Lampe	0 W
-------------------------------	-----

Einstellungen

Ausschaltverzögerungszeit	0 s
---------------------------	-----

Beleuchtung

Schaltschwelle	5 - 2000 lx
----------------	-------------

Einstellungen

Einschaltverzögerungszeit	0 s
---------------------------	-----

Anschluss

Anschluss-/Steckertyp	Steckklemme
-----------------------	-------------

Frequenz

Frequenz	50 - 60 Hz
----------	------------

Abmessungen

Einbautiefe	0 mm
Montagehöhe	2,50 - 2,50 m

Werkstoff

Werkstoff	Kunststoff
Glanzgrad	Glänzend

Sicherheit

IP-Klasse (Ingress Protection)	IP41
--------------------------------	------

Installation, Montage

Montage auf	Aufputz
Geeignet für Deckenmontage	Ja

Spannungsversorgung

Versorgungsspannung	230 V
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Reichweite

Max. Reichweite frontal	5 m
Max. Reichweite zu einer Seite	10 m

Nachhaltigkeit

RoHS-konform	Ja
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EED503

Präsenz-/ Bewegungsmelder DALI2 360°, Einbau, Erfassung Ø20m

Technische Eigenschaften

Erfassung

Ausführung Sensor	Präsenzmelder
Erfassungswinkel	360 - 360
Erfassungswinkel horizontal	360 - 360

Beleuchtung

Stromversorgung der LED-Lampe	0 W
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Einstellungen

Ausschaltverzögerungszeit	0 s
---------------------------	-----

Beleuchtung

Schaltschwelle	5 - 2000 lx
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Einstellungen

Einschaltverzögerungszeit	0 s
---------------------------	-----

Anschluss

Anschluss-/Steckertyp	Steckklemme
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Frequenz

Frequenz	50 - 60 Hz
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Abmessungen

Einbautiefe	82 mm
Montagehöhe	2,50 - 2,50 m

Werkstoff

Werkstoff	Kunststoff
Glanzgrad	Glänzend

Sicherheit

IP-Klasse (Ingress Protection)	IP41
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Installation, Montage

Montage auf	Unterputz
Geeignet für Deckenmontage	Ja

Spannungsversorgung

Versorgungsspannung	230 V
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Reichweite

Max. Reichweite frontal	5 m
Max. Reichweite zu einer Seite	10 m

Nachhaltigkeit

RoHS-konform	Ja
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TXC515



Bewegungsmelder Korridor KNX 360°, Aufputzmontage, Erfassung 30x5m

Technische Eigenschaften

Erfassung

Ausführung Sensor	Bewegungsmelder
Erfassungswinkel	360 - 360
Erfassungswinkel horizontal	360 - 360

Einstellungen

Minimale Einschaltdauer	5 s
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Abmessungen

Montagehöhe	3 - 3 m
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Werkstoff

Werkstoff	Kunststoff Thermoplast
Glanzgrad	Glänzend

Installation, Montage

Montage auf	Aufputz
Geeignet für Deckenmontage	Ja

Reichweite

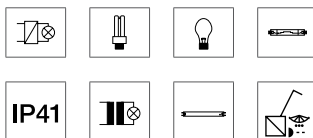
Max. Reichweite frontal	14 m
Max. Reichweite zu einer Seite	15 m

Nachhaltigkeit

RoHS-konform	Ja
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EE815



Präsenzmelder Einbau 360° On/Off

Technische Eigenschaften

Erfassung

Ausführung Sensor	Präsenzmelder
Erfassungswinkel	360 - 360
Erfassungswinkel horizontal	360 - 360

Einstellungen

Einstellbereich Verzögerungszeit	1 Min - 1 h
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Beleuchtung

Ansprechelligkeit einstellbar	5 - 1000 lx
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Einstellungen

Ansprechempfindlichkeit einstellbar	Nein
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Beleuchtung

Stromversorgung der LED-Lampe	300 W
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Einstellungen

Ausschaltverzögerungszeit	0 s
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Beleuchtung

Schaltswelle	5 - 1000 lx
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Einstellungen

Einschaltverzögerungszeit	0 s
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Anschluss

Anschluss-/Steckertyp	Schraubanschluss
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Frequenz

Frequenz	50 - 60 Hz
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Abmessungen

Breite	80 mm
Einbautiefe	70 mm
Empfohlene Montagehöhe	2,5 - 3,5 m
Montagehöhe	2 - 4 m

Einsatzbedingungen

Betriebstemperatur	-10 - 45 °C
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Werkstoff

Farbe	Weiß
Werkstoff	Kunststoff
Glanzgrad	Matt

Sicherheit

IP-Klasse (Ingress Protection)	IP41
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Installation, Montage

Montage auf	Unterputz
Geeignet für Aussenbereich	Ja
Geeignet für Deckenmontage	Nein

Texte

Anschlussart	Mit Schraubklemmen
Funktion	Nur als Einzelgerät einsetzbar
Montageart	Mit Federbügeln für Deckeneinbau

Spannungsversorgung

Versorgungsspannung	230 V +10%/-15%
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Reichweite

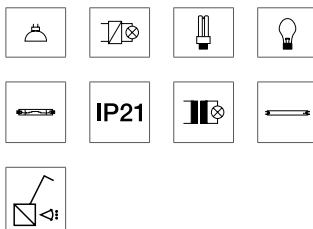
Max. Reichweite frontal	7 m
Max. Reichweite zu einer Seite	6 m

Nachhaltigkeit

RoHS-konform	Ja
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EE805A



Bewegungsmelder 360° Unterputz, Schließerkontakt mit Nulldurchgangsschaltung

Technische Eigenschaften

Erfassung

Ausführung Sensor	Bewegungsmelder Präsenzmelder
Erfassungswinkel	360 - 360

Einstellungen

Einstellbereich Verzögerungszeit	5 S - 30 Min
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Beleuchtung

Ansprechhelligkeit einstellbar	5 - 1000 lx
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Frequenz

Frequenz	50 - 60 Hz
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Abmessungen

Breite	19 mm
Einbautiefe	55 mm
Empfohlene Montagehöhe	2,5 - 3,5 m

Einsatzbedingungen

Betriebstemperatur	-5 - 45 °C
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Werkstoff

Farbe	Weiß
Werkstoff	Kunststoff

Sicherheit

IP-Klasse (Ingress Protection)	IP21
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Installation, Montage

Montage auf	Unterputz
Geeignet für Aussenbereich	Nein

Texte

Anschlussart	Mit Steckklemme
Funktion	Nur als Einzelgerät einsetzbar
Montageart	Mit Federbügeln für Deckeneinbau Für Deckenmontage



WAN7030TA

Bewegungsmelder Aufsatz für Einsatz UP 1,1m/2,2m, A.x/C.x, titan met, lackiert

Technische Eigenschaften

Architektur

Steuer-/Bedienelement	Zentralstück
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Bedienelemente und Anzeigen

Anzahl der Tasten	0
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Werkstoff

Farbe	Titan
RAL Nummer	9006
Glanzgrad	Metallisch
Werkstoff	Thermoplast
Oberfläche	Lackiert

Abmessungen

Höhe	55 mm
Breite	55 mm
Tiefe	20 mm

Kapazität

Anzahl Module	1
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Anschluss

Anschluss-/Steckertyp	Ohne
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Konnektivität

Montageart	Klickbefestigung
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Ausstattung

Kontrollfenster/Lichtauslass	Nein
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Zubehör

Mit Beschriftungsfeld	Nein
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Sicherheit

IP-Klasse (Ingress Protection)	IP20
Stoßfestigkeit IK	IK04

Einsatzbedingungen

Betriebstemperatur	-5 - 40 °C
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Kennzeichnung

Zusammenstellung	Zentralplatte
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Geeignet für

A.1 / A.8 / C.1 / C.8	
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Nachhaltigkeit

Halogenfrei	Ja
REACH-SVHC frei	Ja
RoHS-konform	Ja



TXD501



Präsenz-/ Bewegungsmelder KNX 360°, Einbau, Erfassung Ø10m

Technische Eigenschaften

Erfassung

Ausführung Sensor	Bewegungsmelder Präsenzmelder
Erfassungswinkel	360 - 360
Erfassungswinkel horizontal	360 - 360

Einstellungen

Minimale Einschaltdauer	5 s
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Abmessungen

Montagehöhe	2,50 - 2,50 m
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Werkstoff

Werkstoff	Kunststoff Thermoplast
Glanzgrad	Glänzend

Installation, Montage

Montage auf	Unterputz
Geeignet für Deckenmontage	Ja

Reichweite

Max. Reichweite frontal	2,50 m
Max. Reichweite zu einer Seite	5 m

Nachhaltigkeit

RoHS-konform	Ja
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TXD505



Bewegungsmelder Korridor KNX 360°, Einbau, Erfassung 30x5m

Technische Eigenschaften

Erfassung

Ausführung Sensor	Bewegungsmelder Präsenzmelder
Erfassungswinkel	360 - 360
Erfassungswinkel horizontal	360 - 360

Einstellungen

Minimale Einschaltdauer	5 s
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Abmessungen

Montagehöhe	3 - 3 m
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Werkstoff

Werkstoff	Kunststoff Thermoplast
Glanzgrad	Glänzend

Installation, Montage

Montage auf	Unterputz
Geeignet für Deckenmontage	Ja

Reichweite

Max. Reichweite frontal	14 m
Max. Reichweite zu einer Seite	15 m

Nachhaltigkeit

RoHS-konform	Ja
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Product Environmental Profile

Movement detector 360° flush mounted



Company information

Hager
132 Boulevard d'Europe
F 67215 Obernai Cedex
www.hagergroup.com

References covered

EER503; EER505

A question concerning the Product Environmental Profile:
infopep@hager.com

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed3-2015 04 02 and PSR version PSR-0005-ed2-2016 03 29 issued by the PEP ecopassport program.
For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification

EER505

PSR product Category : PSR-0005-ed2-2016 03 29

Name the category from PSR if applicable

Functional unit

To detect presence at 360° and switch on the lights, during 10 years.

The functional unit is based on the use scenario recommended by the PCR for the category of the reference product.

Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Others		
	g	%		g	%		g	%
PC	36.78	16.8%	Copper	11.89	5.4%	Cardboard + Paper	97.04	44.2%
PA66	8.39	3.8%	Stainless steel	10.61	4.8%	Glass	15.25	7.0%
Epoxy resin	7.62	3.5%	Zinc	1.04	0.5%	Quartz	6.81	3.1%
PE-HD	5.81	2.7%	Tin	0.71	0.3%	Alumine	1.64	0.7%
Epoxy resin	2.97	1.4%	Nickel	0.49	0.2%	Barium	1.54	0.7%
Other	5.21	2.4%	Other	0.91	0.4%	Other	4.66	2.1%
Total mass of reference product :			219.322 g					

Manufacturing

These products are manufactured by a site that has received an environmental certification ISO 14001.

Distribution

The packaging has been designed in accordance with current regulations. In particular, the European directive 94/62/CE relative to packaging and packaging waste.
The used packaging is 100% recyclable or recoverable.
Packaging and logistic flows are continuously improved in order to reduce their impact.

Installation

Installation processes

The processes to install the product are not considered in this study because of their weak impact compared to the other life cycles steps.

Installation elements (non delivered with the product)

Elements non delivered with the product and needed to install the product are not considered.

Use

For the considered scenario, the product has an average power of 0.900 W in active mode during 30% of the time and an average power of 0.200 W in passive mode during 70% of the time. This corresponds to a total energy consumption of 35.916 kWh for the use span of 10 years.

Energy model of the use phase :

Europe

Consumables and maintenance :

None

End of life

Considering the complexity and the lack of knowledge of the electric and electronic recycling channel and processes, the standard scenario set in the PCR is considered.

The recycling potential of the product is: 25%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: raw materials + manufacturing (RMM), distribution (D), installation (I), use (U) and end of life (EoL).

All calculations are done with EIME software version 5.9.3 with the database version CODDE-2022-01 .

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL
Europe	-	Europe	Europe	Europe

Environmental impact indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Global Warming	kg CO ₂ eq.	1.63E+01	3.20E-02	7.55E-02	2.12E+01	1.48E-02	3.76E+01
Ozone Depletion	kg CFC-11 eq.	1.21E-06	6.49E-11	1.99E-10	5.15E-06	9.67E-10	6.37E-06
Acidification of soil and water	kg SO ₂ eq.	2.25E-02	1.44E-04	2.76E-05	1.60E-01	4.60E-05	1.83E-01
Eutrophication	kg PO ₄ ³⁻ eq.	6.25E-03	3.31E-05	1.54E-04	6.01E-03	3.43E-05	1.25E-02
Photochemical Ozone Creation	kg C ₂ H ₄ eq.	2.31E-03	1.02E-05	1.86E-05	7.58E-03	4.70E-06	9.93E-03
Depletion of abiotic resources - elements	kg Sb eq	2.85E-03	1.28E-09	2.36E-10	9.66E-07	6.59E-10	2.85E-03
Depletion of abiotic resources – fossil fuels	MJ	2.00E+02	4.50E-01	8.03E-02	2.18E+02	1.60E-01	4.19E+02
Water Pollution	m ³	1.36E+03	5.27E+00	4.61E+00	8.90E+02	1.55E+00	2.26E+03
Air Pollution	m ³	1.53E+03	1.31E+00	6.93E-01	9.09E+02	1.90E+00	2.44E+03

Resource use indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	8.95E+00	6.04E-04	4.98E-04	3.07E+01	1.99E-03	3.97E+01
Use of renewable primary energy resources as raw materials	MJ	7.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-01
Total use of renewable primary energy resources	MJ	9.65E+00	6.04E-04	4.98E-04	3.07E+01	1.99E-03	4.04E+01
Use of non-renewable primary energy, excluding non renewable primary energy resources used as raw materials	MJ	2.18E+02	4.53E-01	8.48E-02	3.99E+02	2.00E-01	6.18E+02
Use of non-renewable primary energy resources as raw materials	MJ	2.30E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E+00
Total use of non renewable primary energy resources	MJ	2.20E+02	4.53E-01	8.48E-02	3.99E+02	2.00E-01	6.20E+02
Total use of primary energy	MJ	2.30E+02	4.53E-01	8.53E-02	4.30E+02	2.02E-01	6.60E+02
Use of secondary materials	kg	5.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-02
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net fresh water use	m ³	2.50E-01	2.87E-06	2.78E-06	5.53E-02	1.93E-05	3.05E-01

Waste category indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Hazardous waste disposed	kg	4.28E+00	1.14E-03	9.84E-02	7.93E+01	6.36E-02	8.38E+01
Non-hazardous waste disposed	kg	3.54E+01	0.00E+00	6.38E-05	0.00E+00	1.74E-01	3.56E+01
Radioactive waste disposed	kg	3.32E-03	8.11E-07	3.89E-07	6.47E-02	2.92E-06	6.80E-02

Output flow indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-02	1.06E-02
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

no extrapolation rules entered

Verification

Registration N°: HAGE-00688-V01.01-EN	Drafting Rules	PEP-PCR-ed3-2015 04 02
	Supplemented by	PSR-0005-ed2-2016 03 29
Verifier accreditation N°: VH36	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 6-2022	Validity period:	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010		
Internal ● External ○		
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)		
PEP are compliant with XP C08-100-1:2014		
The elements of the present PEP cannot be compared with elements from another program		
Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »		

Nota :

The picture has no contractual value.

All numerical values indicated in this document may vary and depend of many factors such as the tolerance related to materials, the usage and environment conditions of the products, installation characteristics ... , real values for a product in a concrete application may therefore change.

The usage time mentioned in this document is an average duration chosen for the need of the calculations. This value cannot be assimilated to the minimum, average or real life time.

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Product Environmental Profile

Movement detector 360° surface mounted



Company information

Hager
132 Boulevard d'Europe
F 67215 Obernai Cedex
www.hagergroup.com

References covered

EER513, EER515, EER518

A question concerning the Product Environmental Profile:
infopep@hager.com

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed3-2015 04 02 and PSR version PSR-0005-ed2-2016 03 29 issued by the PEP ecopassport program.

For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification

EER518

PSR product Category : PSR-0005-ed2-2016 03 29

Name the category from PSR if applicable

Functional unit

To detect presence at 360° and switch on the lights, during 10 years.

The functional unit is based on the use scenario recommended by the PCR for the category of the reference product.

Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Others		
	g	%		g	%		g	%
PC	90.81	32.5%	Copper	11.75	4.2%	Cardboard + Paper	110.23	39.5%
PE-HD	9.75	3.5%	Stainless steel	6.55	2.3%	Glass	12.23	4.4%
Epoxy resin	11.26	4.0%	Nickel	1.20	0.4%	Quartz	7.15	2.6%
PBT	1.88	0.7%	Zinc	1.04	0.4%	Alumine	2.35	0.8%
PA66	1.60	0.6%	Tin	0.79	0.3%	Barium	2.03	0.7%
Other	3.21	1.1%	Other	1.00	0.4%	Other	5.16	1.8%
Total mass of reference product :			279.373 g					

Manufacturing

These products are manufactured by a site that has received an environmental certification ISO 14001.

Distribution

The packaging has been designed in accordance with current regulations. In particular, the European directive 94/62/CE relative to packaging and packaging waste.
The used packaging is 100% recyclable or recoverable.
Packaging and logistic flows are continuously improved in order to reduce their impact.

Installation

Installation processes

The processes to install the product are not considered in this study because of their weak impact compared to the other life cycles steps.

Installation elements (non delivered with the product)

Elements non delivered with the product and needed to install the product are not considered.

Use

For the considered scenario, the product has an average power of 0.900 W in active mode during 30% of the time and an average power of 0.200 W in passive mode during 70% of the time. This corresponds to a total energy consumption of 35.916 kWh for the use span of 10 years.

Energy model of the use phase :

Europe

Consumables and maintenance :

None

End of life

Considering the complexity and the lack of knowledge of the electric and electronic recycling channel and processes, the standard scenario set in the PCR is considered.

The recycling potential of the product is: 20%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: raw materials + manufacturing (RMM), distribution (D), installation (I), use (U) and end of life (EoL).

All calculations are done with EIME software version 5.9.3 with the database version CODDE-2022-01 .

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL
Europe	-	Europe	Europe	Europe

Environmental impact indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Global Warming	kg CO ₂ eq.	1.82E+01	4.29E-02	9.19E-02	2.12E+01	2.19E-02	3.96E+01
Ozone Depletion	kg CFC-11 eq.	1.40E-06	8.70E-11	2.41E-10	5.15E-06	1.35E-09	6.56E-06
Acidification of soil and water	kg SO ₂ eq.	2.62E-02	1.93E-04	3.13E-05	1.60E-01	6.91E-05	1.87E-01
Eutrophication	kg PO ₄ ³⁻ eq.	6.86E-03	4.43E-05	1.86E-04	6.01E-03	5.93E-05	1.32E-02
Photochemical Ozone Creation	kg C ₂ H ₄ eq.	2.62E-03	1.37E-05	2.25E-05	7.58E-03	6.92E-06	1.02E-02
Depletion of abiotic resources - elements	kg Sb eq	3.20E-03	1.72E-09	2.68E-10	9.66E-07	1.05E-09	3.21E-03
Depletion of abiotic resources – fossil fuels	MJ	2.18E+02	6.03E-01	9.16E-02	2.18E+02	2.31E-01	4.37E+02
Water Pollution	m ³	1.81E+03	7.06E+00	5.56E+00	8.90E+02	2.26E+00	2.72E+03
Air Pollution	m ³	1.68E+03	1.76E+00	7.86E-01	9.09E+02	2.89E+00	2.59E+03

Resource use indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	9.71E+00	8.09E-04	5.36E-04	3.07E+01	3.56E-03	4.05E+01
Use of renewable primary energy resources as raw materials	MJ	7.36E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-01
Total use of renewable primary energy resources	MJ	1.04E+01	8.09E-04	5.36E-04	3.07E+01	3.56E-03	4.12E+01
Use of non-renewable primary energy, excluding non renewable primary energy resources used as raw materials	MJ	2.35E+02	6.06E-01	9.70E-02	3.99E+02	2.86E-01	6.35E+02
Use of non-renewable primary energy resources as raw materials	MJ	4.15E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E+00
Total use of non renewable primary energy resources	MJ	2.39E+02	6.06E-01	9.70E-02	3.99E+02	2.86E-01	6.39E+02
Total use of primary energy	MJ	2.49E+02	6.07E-01	9.76E-02	4.30E+02	2.90E-01	6.80E+02
Use of secondary materials	kg	6.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-02
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net fresh water use	m ³	4.07E-01	3.84E-06	3.27E-06	5.53E-02	2.86E-05	4.62E-01

Waste category indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Hazardous waste disposed	kg	4.82E+00	1.53E-03	1.12E-01	7.93E+01	1.16E-01	8.44E+01
Non-hazardous waste disposed	kg	4.17E+01	0.00E+00	7.63E-05	0.00E+00	2.17E-01	4.19E+01
Radioactive waste disposed	kg	3.54E-03	1.09E-06	4.42E-07	6.47E-02	4.94E-06	6.82E-02

Output flow indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-03	6.53E-03
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

no extrapolation rules entered

Verification

Registration N°: HAGE-00689-V01.01-EN	Drafting Rules	PEP-PCR-ed3-2015 04 02
	Supplemented by	PSR-0005-ed2-2016 03 29
Verifier accreditation N°: VH36	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 6-2022	Validity period:	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010		
Internal ● External ○		
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)		
PEP are compliant with XP C08-100-1:2014		
The elements of the present PEP cannot be compared with elements from another program		
Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »		

Nota :

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Product Environmental Profile

Movement detector 360° flush mounted



Company information

Hager

132 Boulevard d'Europe
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www.hagergroup.com

References covered

EER501

A question concerning the Product Environmental Profile:
infopep@hager.com

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed3-2015 04 02 and PSR version PSR-0005-ed2-2016 03 29 issued by the PEP ecopassport program.

For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification

EER501

PSR product Category : PSR-0005-ed2-2016 03 29

Name the category from PSR if applicable

Functional unit

To detect presence at 360° and switch on the lights, during 10 years.

The functional unit is based on the use scenario recommended by the PCR for the category of the reference product.

Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Others		
	g	%		g	%		g	%
PC	22.80	16.5%	Copper	9.43	6.8%	Cardboard + Paper	63.02	45.7%
Epoxy resin	7.70	5.6%	Stainless steel	6.31	4.6%	Glass	7.32	5.3%
PE-HD	3.00	2.2%	Zinc	0.72	0.5%	Quartz	6.53	4.7%
PBT	1.51	1.1%	Tin	0.57	0.4%	Alumine	1.35	1.0%
Other	1.82	1.3%	Nickel	0.38	0.3%	Barium	1.19	0.9%
			Other	0.73	0.5%	Other	3.75	2.7%
Total mass of reference product :			138.027 g					

Manufacturing

These products are manufactured by a site that has received an environmental certification ISO 14001.

Distribution

The packaging has been designed in accordance with current regulations. In particular, the European directive 94/62/CE relative to packaging and packaging waste.
The used packaging is 100% recyclable or recoverable.
Packaging and logistic flows are continuously improved in order to reduce their impact.

Installation

Installation processes

The processes to install the product are not considered in this study because of their weak impact compared to the other life cycles steps.

Installation elements (non delivered with the product)

Elements non delivered with the product and needed to install the product are not considered.

Use

For the considered scenario, the product has an average power of 0.800 W in active mode during 30% of the time and an average power of 0.190 W in passive mode during 70% of the time. This corresponds to a total energy consumption of 32.675 kWh for the use span of 10 years.

Energy model of the use phase :

Europe

Consumables and maintenance :

None

End of life

Considering the complexity and the lack of knowledge of the electric and electronic recycling channel and processes, the standard scenario set in the PCR is considered.

The recycling potential of the product is: 27%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: raw materials + manufacturing (RMM), distribution (D), installation (I), use (U) and end of life (EoL).

All calculations are done with EIME software version 5.9.3 with the database version CODDE-2022-01 .

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL
Europe	-	Europe	Europe	Europe

Environmental impact indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Global Warming	kg CO ₂ eq.	1.45E+01	2.40E-02	4.64E-02	1.93E+01	9.95E-03	3.39E+01
Ozone Depletion	kg CFC-11 eq.	1.02E-06	4.87E-11	1.23E-10	4.69E-06	8.01E-10	5.71E-06
Acidification of soil and water	kg SO ₂ eq.	1.98E-02	1.08E-04	1.80E-05	1.46E-01	2.80E-05	1.66E-01
Eutrophication	kg PO ₄ ³⁻ eq.	5.53E-03	2.48E-05	9.54E-05	5.47E-03	1.77E-05	1.11E-02
Photochemical Ozone Creation	kg C ₂ H ₄ eq.	2.02E-03	7.67E-06	1.14E-05	6.90E-03	3.24E-06	8.94E-03
Depletion of abiotic resources - elements	kg Sb eq	2.27E-03	9.62E-10	1.54E-10	8.79E-07	3.86E-10	2.27E-03
Depletion of abiotic resources – fossil fuels	MJ	1.83E+02	3.38E-01	5.22E-02	1.99E+02	1.09E-01	3.82E+02
Water Pollution	m ³	1.13E+03	3.95E+00	2.85E+00	8.09E+02	9.84E-01	1.95E+03
Air Pollution	m ³	1.38E+03	9.85E-01	4.53E-01	8.27E+02	1.37E+00	2.21E+03

Resource use indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	8.30E+00	4.53E-04	3.40E-04	2.80E+01	9.81E-04	3.63E+01
Use of renewable primary energy resources as raw materials	MJ	4.89E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-01
Total use of renewable primary energy resources	MJ	8.79E+00	4.53E-04	3.40E-04	2.80E+01	9.81E-04	3.68E+01
Use of non-renewable primary energy, excluding non renewable primary energy resources used as raw materials	MJ	1.99E+02	3.39E-01	5.50E-02	3.63E+02	1.43E-01	5.62E+02
Use of non-renewable primary energy resources as raw materials	MJ	1.23E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E+00
Total use of non renewable primary energy resources	MJ	2.00E+02	3.39E-01	5.50E-02	3.63E+02	1.43E-01	5.64E+02
Total use of primary energy	MJ	2.09E+02	3.40E-01	5.53E-02	3.91E+02	1.44E-01	6.00E+02
Use of secondary materials	kg	3.25E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-02
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net fresh water use	m ³	1.48E-01	2.15E-06	1.77E-06	5.03E-02	1.51E-05	1.98E-01

Waste category indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Hazardous waste disposed	kg	3.76E+00	8.54E-04	6.40E-02	7.22E+01	2.99E-02	7.60E+01
Non-hazardous waste disposed	kg	3.01E+01	0.00E+00	3.98E-05	0.00E+00	1.53E-01	3.03E+01
Radioactive waste disposed	kg	3.10E-03	6.08E-07	2.58E-07	5.88E-02	1.70E-06	6.19E-02

Output flow indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-03	6.30E-03
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

no extrapolation rules entered

Verification

Registration N°: HAGE-00687-V01.01-EN	Drafting Rules	PEP-PCR-ed3-2015 04 02
	Supplemented by	PSR-0005-ed2-2016 03 29
Verifier accreditation N°: VH36	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 6-2022	Validity period:	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010		
Internal ● External ○		
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)		
PEP are compliant with XP C08-100-1:2014		
The elements of the present PEP cannot be compared with elements from another program		
Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »		

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Product Environmental Profile

Universal touch dimmer 1gang/2gang



Company information

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A question concerning the Product Environmental Profile:
infopep@hager.com

References covered

85421100-02, 85421100H-02, 85421200-02 (Representative),
85421200H-02, 85121100-02, 85121100H-02, 85421101-02
85421201-02, 85421201H-02, 85121101-02

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed3-2015 04 02 and PSR version PSR-0005-ed2-2016 03 29 issued by the PEP ecopassport program.

For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification

85421200-02

PSR product Category :

Others equipment

Functional unit

Touch dimmer (R, L): Switching and dimming of incandescent lamps, HV halogen lamps and conventional transformers with low voltage halogen lamps.

The functional unit is based on the use scenario recommended by the PCR for the category of the reference product.

Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Others		
	g	%		g	%		g	%
ABS	56.00	53.0%	Stainless steel	2.40	2.3%	Cardboard + Paper	17.75	16.8%
PC	10.44	9.9%				Other	0.25	0.2%
PE-LD	4.65	4.4%				Silicon	0.16	0.1%
Total mass of reference product :				105.57 g				

Manufacturing

These products are manufactured by a site that has received an environmental certification ISO 14001.

Distribution

The packaging has been designed in accordance with current regulations. In particular, the European directive 94/62/CE relative to packaging and packaging waste.
The used packaging is 100% recyclable or recoverable.
Packaging and logistic flows are continuously improved in order to reduce their impact.

Installation

Installation processes

The processes to install the product are not considered in this study because of their weak impact compared to the other life cycles steps.

Installation elements (non delivered with the product)

Elements non delivered with the product and needed to install the product are not considered.

Use

For the considered scenario, the product has an average power of 0.130 W in active mode during 50% of the time and 0.170 W in sleep mode during 50% of the time. This corresponds to a total energy consumption of 13.140 kWh for the use span of 10 years.

Energy model of the use phase :

Europe

Consumables and maintenance :

None

End of life

Considering the complexity and the lack of knowledge of the electric and electronic recycling channel and processes, the standard scenario set in the PCR is considered.

The recycling potential of the product is: 58%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: raw materials + manufacturing (RMM), distribution (D), installation (I), use (U) and end of life (EoL).

All calculations are done with EIME software version 5.9.3 with the database version CODDE-2020-12 .

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL
Europe	-	Europe	Europe	Europe

Environmental impact indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Global Warming	kg CO ₂ eq.	6.36E-01	4.44E-03	1.31E-03	0.00E+00	8.20E-03	6.50E-01
Ozone Depletion	kg CFC-11 eq.	4.37E-08	8.99E-12	1.38E-11	0.00E+00	2.05E-10	4.39E-08
Acidification of soil and water	kg SO ₂ eq.	6.89E-04	1.99E-05	6.16E-06	0.00E+00	3.14E-05	7.47E-04
Eutrophication	kg PO ₄ ³⁻ eq.	1.75E-04	4.58E-06	6.70E-06	0.00E+00	3.61E-05	2.22E-04
Photochemical Ozone Creation	kg C ₂ H ₄ eq.	1.54E-04	1.42E-06	4.42E-07	0.00E+00	2.44E-06	1.58E-04
Depletion of abiotic resources - elements	kg Sb eq	3.34E-06	1.78E-10	6.25E-11	0.00E+00	5.23E-10	3.34E-06
Depletion of abiotic resources – fossil fuels	MJ	6.75E+00	6.24E-02	1.66E-02	0.00E+00	8.05E-02	6.91E+00
Water Pollution	m ³	8.87E+01	7.30E-01	1.92E-01	0.00E+00	9.34E-01	9.06E+01
Air Pollution	m ³	1.27E+02	1.82E-01	1.64E-01	0.00E+00	9.64E-01	1.28E+02

Resource use indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	2.58E-01	8.37E-05	2.37E-04	0.00E+00	2.21E-03	2.61E-01
Use of renewable primary energy resources as raw materials	MJ	3.92E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-02
Total use of renewable primary energy resources	MJ	2.98E-01	8.37E-05	2.37E-04	0.00E+00	2.21E-03	3.00E-01
Use of non-renewable primary energy, excluding non renewable primary energy resources used as raw materials	MJ	7.04E+00	6.27E-02	1.71E-02	0.00E+00	8.77E-02	7.21E+00
Use of non-renewable primary energy resources as raw materials	MJ	2.89E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E+00
Total use of non renewable primary energy resources	MJ	9.93E+00	6.27E-02	1.71E-02	0.00E+00	8.77E-02	1.01E+01
Total use of primary energy	MJ	1.02E+01	6.28E-02	1.73E-02	0.00E+00	8.99E-02	1.04E+01
Use of secondary materials	kg	1.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-02
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net fresh water use	m ³	2.24E-01	3.97E-07	5.57E-07	0.00E+00	7.08E-06	2.24E-01

Waste category indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Hazardous waste disposed	kg	4.09E-01	1.58E-04	1.99E-02	0.00E+00	7.79E-02	5.07E-01
Non-hazardous waste disposed	kg	2.84E-01	0.00E+00	5.00E-06	0.00E+00	3.57E-05	2.84E-01
Radioactive waste disposed	kg	2.01E-04	1.12E-07	1.72E-07	0.00E+00	2.56E-06	2.04E-04

Output flow indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

no extrapolation rules entered

Verification

Registration N°: HAGE-00657-V01.01-EN	Drafting Rules	PEP-PCR-ed3-2015 04 02
	Supplemented by	PSR-0005-ed2-2016 03 29
Verifier accreditation N°: VH37	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 11-2021	Validity period:	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010		
Internal ● External ○		
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)		
PEP are compliant with XP C08-100-1:2014		
The elements of the present PEP cannot be compared with elements from another program		
Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »		

Nota :

The picture has no contractual value.

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Product Environmental Profile

Cover push button 1-g. A.x/C.x white gl.



Company information

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A question concerning the Product Environmental Profile: info@hager.com

References covered

For the complete list of the covered references, see details in Appendix 1.

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed4-2021 09 06 and PSR version No PSR issued by the PEP ecopassport program.
For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification
WAN7010WG

Use scenario based on :
PSR product Category : No PSR
0

Functional unit

Protect persons against electrocution by direct contact and contribute to the product aesthetic for 20 years.

The functional unit is based on the use scenario recommended by the PCR for the category of the reference product.

Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Others		
	g	%		g	%		g	%
PC	8.58	38.3%	Silicon	0.00	<0.1%	Cardboard	11.97	53.4%
PE-LD	0.11	0.5%				Other	1.00	4.5%
						Wood	0.53	2.4%
						Paper	0.21	0.9%
Total mass of reference product with raw material packaging :			22.4 g					
Total mass of reference product (Product + packaging)			21.33 g					

System Boundaries

The environmental information included in the PEP covers all the stages of the life cycle, from "cradle to grave".

Manufacturing			Distribution	Installation	Use							End of life				Module D
Raw material extraction and processing	Transport to the manufacturer	Manufacturing	Distribution to the place of operation	Installation on the place of operation	Use or application of the product installed	Maintenance	Repair	Replacement	Restoration	Energy requirements during the use stage	Water requirements during the use stage	Deinstallation	Transport to the waste treatment site	Treatment of waste in view of its reuse, recovery and/or recycling	Disposal	Benefits and loads beyond the system boundaries
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Life cycle stages																

Manufacturing

These products are manufactured by a site that has received an environmental certification ISO 14001.

This phase takes into account raw materials, manufacturing processes, production offcuts and their end-of-life treatment, upstream transport of materials and sub-assemblies to the manufacturing site, and transport from the manufacturing site to the final logistics platform.

Distribution

The packaging has been designed in accordance with current regulations. In particular, the European directive 94/62/CE relative to packaging and packaging waste.

The used packaging is 100% recyclable or recoverable. Packaging and logistic flows are continuously improved in order to reduce their impact.

This phase taken into account the transport of the finished product, including packaging, to its place of use.

Installation

Installation processes

The processes to install the product are not considered in this study because of their weak impact compared to the other life cycles steps.

This phase only take into account the impact of the packaging waste treatment.

Installation elements (non delivered with the product)

Elements non delivered with the product and needed to install the product are not considered.

Use

Power loss / load dependent			
Active mode		Inactive mode	
Watt	% of time	Watt	% of time
0	0.0%	0	100.0%

Power consumption / not load dependent					
Active Sleep phase		Passive Sleep phase		Turn off phase	
Watt	% of time	Watt	% of time	Watt	% of time
0	0.0%	0	0.0%	0	100.0%

This corresponds to a total energy consumption of 0.00 kWh for the use span of 20 years.

Energy model of the use phase :

Europe

Consumables and maintenance :

None

End of life

Considering the complexity of the recycling channels for electric and electronic equipment impacts, we rely mainly on ESR modules (datasets for WEEE product end of life).

The recycling potential of the product is: 32%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: raw materials + manufacturing (RMM), distribution (D), installation (I), use (U) and end of life (EoL).

All calculations are done with EIME software version 6.3.2-4 with the database version CODDE-2025-04 .

Indicators set : Indicators for PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4
Europe	-	Europe	Europe	Europe

Environmental impact indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Acidification (PEF-AP)	mole H+ eq.	2.42E-04	5.63E-06	3.97E-05	0.00E+00	4.41E-05	3.31E-04	-9.97E-07
Climate change - Total (PEF-GWP)	kg CO2 eq.	3.53E-02	3.57E-03	3.14E-02	0.00E+00	2.22E-02	9.25E-02	-9.58E-04
Climate change-Biogenic (PEF-GWPb)	kg CO2 eq.	-1.55E-02	1.46E-08	1.88E-02	0.00E+00	1.19E-03	4.57E-03	-1.23E-05
Climate change-Fossil (PEF-GWPF)	kg CO2 eq.	5.08E-02	3.57E-03	1.26E-02	0.00E+00	2.11E-02	8.80E-02	-9.46E-04
Climate change-Land use and land use change (PEF-GWPlu)	kg CO2 eq.	6.44E-06	5.39E-09	9.33E-11	0.00E+00	7.39E-11	6.44E-06	0.00E+00
Ecotoxicity, freshwater (PEF-CTUe)	CTUe	5.88E-01	1.04E-01	1.77E-01	0.00E+00	2.74E-02	8.97E-01	-4.79E-04
EF-particulate Matter (PEF-PM)	Incidence of diseases	1.50E-09	4.83E-11	2.33E-10	0.00E+00	3.29E-10	2.11E-09	-3.53E-11
Eutrophication, freshwater (PEF-Epf)	kg P eq.	3.55E-07	1.33E-08	1.73E-07	0.00E+00	3.99E-09	5.46E-07	-5.14E-09
Eutrophication, marine (PEF-Epm)	kg N eq.	4.73E-05	1.02E-06	1.62E-05	0.00E+00	1.43E-05	7.89E-05	-2.24E-07
Eutrophication, terrestrial (PEF-Ept)	mole of N eq.	5.04E-04	1.12E-05	1.19E-04	0.00E+00	1.69E-04	8.03E-04	-2.85E-06
Human toxicity, cancer (PEF-CTUh-c)	CTUh	2.11E-09	6.99E-13	1.38E-09	0.00E+00	2.76E-11	3.52E-09	-2.27E-13
Human toxicity, non-cancer (PEF-CTUh-nc)	CTUh	2.61E-10	1.33E-11	3.83E-11	0.00E+00	4.41E-11	3.57E-10	-2.25E-12
Ionising radiation, human health (PEF-IR)	kg Bq U235 eq.	2.38E-02	1.26E-04	1.80E-03	0.00E+00	4.20E-04	2.62E-02	-1.98E-05
Land use (PEF-LU)	No dimension	1.83E-02	1.53E-05	4.18E-05	0.00E+00	9.97E-03	2.83E-02	-6.01E-02
Ozone depletion (PEF-ODP)	kg CFC-11 eq.	1.41E-09	4.33E-11	1.84E-10	0.00E+00	6.54E-10	2.29E-09	-2.34E-11
Photochemical ozone formation - human health (PEF-POCP)	kg of NMVOC eq.	1.35E-04	3.62E-06	2.72E-05	0.00E+00	3.88E-05	2.05E-04	-7.25E-07
Resource use, fossils (PEF-ADPF)	MJ	9.35E-01	6.33E-02	1.30E-01	0.00E+00	7.09E-02	1.20E+00	-3.69E-03
Resource use, minerals and metals (PEF-ADPe)	kg Sb eq.	8.74E-09	1.27E-09	6.61E-10	0.00E+00	9.34E-09	2.00E-08	-1.68E-11
Water use (PEF-WU)	m3 eq.	1.05E-02	1.28E-04	1.09E-03	0.00E+00	3.99E-01	4.11E-01	-2.35E-02

Resource use indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Net use of fresh water	m3	2.49E-04	2.99E-06	8.40E-05	0.00E+00	1.28E-02	1.32E-02	-1.08E-03
Total primary energy	MJ	1.20E+00	6.35E-02	1.47E-01	0.00E+00	7.52E-02	1.49E+00	-1.26E-02
Total non renewable primary energy	MJ	9.35E-01	6.33E-02	1.30E-01	0.00E+00	7.09E-02	1.20E+00	-3.69E-03
Total renewable primary energy	MJ	2.66E-01	2.00E-04	1.74E-02	0.00E+00	4.38E-03	2.88E-01	-8.96E-03
Non renewable primary energy used as energy	MJ	7.44E-01	6.33E-02	1.30E-01	0.00E+00	7.09E-02	1.01E+00	-3.69E-03
Non renewable primary energy used as raw material	MJ	1.91E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-01	0.00E+00
Use of non renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Renewable primary energy used as energy	MJ	3.70E-02	2.00E-04	1.74E-02	0.00E+00	4.38E-03	5.90E-02	-8.96E-03
Renewable primary energy used as raw material	MJ	2.29E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-01	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary material	kg	4.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-03	0.00E+00

Waste category indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Hazardous waste disposed	kg	1.36E-03	1.49E-05	7.05E-04	0.00E+00	4.06E-04	2.49E-03	0.00E+00
Non hazardous waste disposed	kg	2.43E-02	3.31E-04	3.63E-03	0.00E+00	1.19E-04	2.84E-02	0.00E+00
Radioactive waste disposed	kg	1.18E-05	2.62E-07	8.26E-07	0.00E+00	3.89E-08	1.29E-05	0.00E+00

Output flow indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	2.43E-04	0.00E+00	1.04E-03	0.00E+00	1.80E-05	1.30E-03	0.00E+00
Materials for recycling	kg	5.59E-04	0.00E+00	9.46E-03	0.00E+00	1.64E-04	1.02E-02	0.00E+00

Biogenic carbon content

Packaging	Unit	Cardboard	Paper	Wood	Sum
Biogenic carbon content (ratio)	%	2.80E+01	3.78E+01	3.95E+01	
Mass	kg	1.20E-02	2.07E-04	5.33E-04	1.27E-02
Biogenic carbon content (declared unit)	kg of C	3.35E-03	7.82E-05	2.11E-04	3.64E-03
Biogenic carbon content (functional unit)	kg of C	3.35E-03	7.82E-05	2.11E-04	3.64E-03
Source		ADEME	APESA/RECORD	EN 16485	

Product	Unit	Cardboard	Paper	Wood	Sum
Mass	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content (declared unit)	kg of C	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content (functional unit)	kg of C	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Extrapolation rules

For each reference in this homogeneous family (see Appendix), the environmental impacts for each phase and indicator are derived from life-cycle analysis (LCA).

Verification

Registration N°: HAGE-01455-V01.01-EN	Drafting Rules	PEP-PCR-ed4-2021 09 06
Verifier accreditation N°: VH65	Supplemented by	No PSR
Date of issue: 12-2025	Information and reference documents:	www.pep-ecopassport.org
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006	Validity period:	5 years
Internal ● External ○		
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)		
PEPs are compliant with XP C08-100-1:2016 or EN 50693:2019		
The elements of the present PEP cannot be compared with elements from another program.		
Document in compliance with ISO 14025 : 2006 « Environmental labels and declarations. Type III environmental declarations »		



Nota :
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Appendix

		Manufacturing A1-A3																																					
		Acidification (PEF-AP) - [mole H+ eq.]	Climate change - Total (PEF-GWP) - [kg CO2 eq.]	Climate change-Biogenic (PEF-GWbp) - [kg CO2 eq.]	Climate change-Fossil (PEF-GWfp) - [kg CO2 eq.]	Climate changeLand use and land use change (PEF-GWlpU) - [kg CO2 eq.]	Components for re-use - [kg]	Ecotoxicity, freshwater (PEF-CTUw) - [CTUw]	Eutrophication, freshwater (PEF-Epw) - [kg P eq.]	Eutrophication, marine (PEF-Epm) - [kg N eq.]	Eutrophication, terrestrial (PEF-Ept) - [mole of N eq.]	Exported energy - [MJ]	Hazardous waste disposed - [kg]	Human toxicity, cancer (PEF-CTUh-c) - [CTUh]	Human toxicity, non-cancer (PEF-CTUh-nr) - [CTUh]	Ionising radiation, human health (PEF-IR) - [kg Bq U235 eq.]	Land use (PEF-LU)	Materials for energy recovery - [kg]	Materials for recycling - [kg]	Net use of fresh water - [m3]	Non hazardous waste disposed - [kg]	Non renewable primary energy used as energy - [MJ]	Non renewable primary energy used as raw material - [MJ]	Ozone depletion (PEF-ODP) - [kg CFC-11 eq.]	EF-particulate Matter (PEF-PM) - [Incidence of diseases]	Photochemical ozone formation - human health (PEF-POCP) - [kg of NMVOC eq.]	Radioactive waste disposed - [kg]	Renewable primary energy used as energy - [MJ]	Renewable primary energy used as raw material - [MJ]	Resource use, fossils (PEF-ADFP) - [MJ]	Resource use, minerals and metals (PEF-ADPe) - [kg Sb eq.]	Total non renewable primary energy - [MJ]	Total primary energy - [MJ]	Total renewable primary energy - [MJ]	Use of non renewable secondary fuels - [MJ]	Use of renewable secondary fuels - [MJ]	Use of secondary material - [kg]	Water use (PEF-WU) - [m3 eq.]	
	WAN7010WG	2.426	3.938	-1.952	5.982	6.446	0.000	5.885	3.957	4.759	5.945	0.000	1.365	2.116	2.816	2.382	1.836	2.436	5.964	2.496	2.436	7.446	1.916	1.416	1.968	1.364	1.186	3.762	2.266	9.366	8.746	0.366	1.286	2.686	0.006	0.006	4.676	1.962	
	WAN7010AT	3.938	5.446	-1.946	6.982	6.446	0.000	7.766	3.957	6.076	6.956	0.000	4.586	2.116	3.956	2.932	1.836	2.436	5.964	3.964	2.936	1.216	1.926	1.426	1.316	2.934	1.376	5.486	2.266	1.496	9.166	1.496	1.686	2.66	0.006	0.006	4.676	1.916	
	WAN7010BG	2.426	3.938	-1.952	5.982	6.446	0.000	5.885	3.957	4.759	5.945	0.000	1.365	2.116	2.816	2.382	1.836	2.436	5.964	2.496	2.436	7.446	1.916	1.416	1.968	1.364	1.186	3.762	2.266	9.366	8.746	0.366	1.286	2.686	0.006	0.006	4.676	1.962	
	WAN7010BM	2.426	3.938	-1.952	5.982	6.446	0.000	5.885	3.957	4.759	5.945	0.000	1.365	2.116	2.816	2.382	1.836	2.436	5.964	2.496	2.436	7.446	1.916	1.416	1.968	1.364	1.186	3.762	2.266	9.366	8.746	0.366	1.286	2.686	0.006	0.006	4.676	1.962	
	WAN7010TA	3.938	5.446	-1.946	6.982	6.446	0.000	7.766	3.957	6.076	6.956	0.000	4.586	2.116	3.956	2.932	1.836	2.436	5.964	3.964	2.936	1.216	1.926	1.426	1.316	2.934	1.376	5.486	2.266	1.496	9.166	1.496	1.686	2.66	0.006	0.006	4.676	1.916	
	WAN7010WM	2.426	3.938	-1.952	5.982	6.446	0.000	5.885	3.957	4.759	5.945	0.000	1.365	2.116	2.816	2.382	1.836	2.436	5.964	2.496	2.436	7.446	1.916	1.416	1.968	1.364	1.186	3.762	2.266	9.366	8.746	0.366	1.286	2.686	0.006	0.006	4.676	1.962	
	WAN7011AT	4.064	5.676	-1.946	7.216	6.446	0.000	7.846	3.967	6.246	6.826	0.000	4.676	2.126	3.966	2.916	1.836	2.436	5.964	3.964	2.936	1.256	1.926	1.426	1.316	2.934	1.376	5.486	2.266	1.446	9.366	1.446	1.746	2.66	0.006	0.006	4.676	1.932	
	WAN7011BG	2.686	3.776	-1.946	5.306	6.446	0.000	5.936	3.967	4.916	5.316	0.000	1.436	2.116	2.726	2.482	1.836	2.436	5.964	2.946	2.476	7.846	1.916	1.426	1.686	1.416	1.186	4.966	2.266	9.766	9.316	0.756	1.286	2.766	0.006	0.006	4.676	1.972	
	WAN7011BM	2.686	3.776	-1.946	5.306	6.446	0.000	5.936	3.967	4.916	5.316	0.000	1.436	2.116	2.726	2.482	1.836	2.436	5.964	2.946	2.476	7.846	1.916	1.426	1.686	1.416	1.186	4.966	2.266	9.766	9.316	0.756	1.286	2.766	0.006	0.006	4.676	1.972	
	WAN7011TA	4.064	5.676	-1.946	7.216	6.446	0.000	7.846	3.967	6.246	6.826	0.000	4.676	2.126	3.966	2.916	1.836	2.436	5.964	3.964	2.936	1.256	1.926	1.426	1.316	2.934	1.376	5.486	2.266	1.446	9.366	1.446	1.746	2.66	0.006	0.006	4.676	1.932	
	WAN7011WG	2.686	3.776	-1.946	5.306	6.446	0.000	5.936	3.967	4.916	5.316	0.000	1.436	2.116	2.726	2.482	1.836	2.436	5.964	2.946	2.476	7.846	1.916	1.426	1.686	1.416	1.186	4.966	2.266	9.766	9.316	0.756	1.286	2.766	0.006	0.006	4.676	1.972	
	WAN7011WM	2.686	3.776	-1.946	5.306	6.446	0.000	5.936	3.967	4.916	5.316	0.000	1.436	2.116	2.726	2.482	1.836	2.436	5.964	2.946	2.476	7.846	1.916	1.426	1.686	1.416	1.186	4.966	2.266	9.766	9.316	0.756	1.286	2.766	0.006	0.006	4.676	1.972	
	WAN7020AT	4.064	5.686	-1.946	7.226	6.716	0.000	7.746	3.707	6.226	6.765	0.000	4.706	2.126	3.967	2.932	1.952	2.476	5.684	3.604	2.916	1.256	1.966	1.436	1.326	2.934	1.386	5.606	2.266	1.456	9.376	1.456	1.746	2.66	0.006	0.006	4.676	1.942	
	WAN7020BG	2.516	3.736	-1.946	5.276	6.716	0.000	5.996	3.607	4.866	5.216	0.000	1.416	2.116	2.736	2.442	1.952	2.476	5.684	3.604	2.916	1.256	1.966	1.436	1.326	2.934	1.386	5.606	2.266	1.456	9.376	1.456	1.746	2.66	0.006	0.006	4.676	1.962	
	WAN7020BM	2.516	3.736	-1.946	5.276	6.716	0.000	5.996	3.607	4.866	5.216	0.000	1.416	2.116	2.736	2.442	1.952	2.476	5.684	3.604	2.916	1.256	1.966	1.436	1.326	2.934	1.386	5.606	2.266	1.456	9.376	1.456	1.746	2.66	0.006	0.006	4.676	1.962	
	WAN7020TA	4.064	5.686	-1.946	7.226	6.716	0.000	7.746	3.707	6.226	6.765	0.000	4.706	2.126	3.967	2.932	1.952	2.476	5.684	3.604	2.916	1.256	1.966	1.436	1.326	2.934	1.386	5.606	2.266	1.456	9.376	1.456	1.746	2.66	0.006	0.006	4.676	1.942	
	WAN7020WG	2.516	3.736	-1.946	5.276	6.716	0.000	5.996	3.607	4.866	5.216	0.000	1.416	2.116	2.736	2.442	1.952	2.476	5.684	3.604	2.916	1.256	1.966	1.436	1.326	2.934	1.386	5.606	2.266	1.456	9.376	1.456	1.746	2.66	0.006	0.006	4.676	1.962	
	WAN7020WM	2.516	3.736	-1.946	5.276	6.716	0.000	5.996	3.607	4.866	5.216	0.000	1.416	2.116	2.736	2.442	1.952	2.476	5.684	3.604	2.916	1.256	1.966	1.436	1.326	2.934	1.386	5.606	2.266	1.456	9.376	1.456	1.746	2.66	0.006	0.006	4.676	1.962	
	WAN7021AT	4.216	5.916	-1.936	7.446	6.716	0.000	7.866	3.727	6.466	7.046	0.000	4.766	2.126	3.786	2.962	1.916	2.476	5.684	3.604	2.716	1.256	1.966	1.436	1.326	2.934	1.386	5.606	2.266	1.456	9.346	1.456	1.686	1.886	3.046	0.006	0.006	4.676	1.962
	WAN7021BG	2.676	3.666	-1.936	5.666	6.716	0.000	6.046	3.627	5.036	5.466	0.000	1.506	2.116	2.836	2.522	1.916	2.476	5.684	2.604	2.946	8.176	1.976	1.436	1.666	1.466	1.216	5.666	2.266	1.076	1.006	1.016	1.366	2.66	0.006	0.006	4.676	1.962	
WAN7021BM	2.676	3.666	-1.936	5.666	6.716	0.000	6.046	3.627	5.036	5.466	0.000	1.506	2.116	2.836	2.522	1.916	2.476	5.684	2.604	2.946	8.176	1.976	1.436	1.666	1.466	1.216	5.666	2.266	1.076	1.006	1.016	1.366	2.66	0.006	0.006	4.676	1.962		
WAN7021TA	4.216	5.916	-1.936	7.446	6.716	0.000	8.006	3.727	6.466	7.046	0.000	4.766	2.126	3.786	2.962	1.916	2.476	5.684	3.604	2.716	1.256	1.966	1.436	1.326	2.934	1.386	5.606	2.266	1.456	9.346	1.456	1.686	1.886	3.046	0.006	0.006	4.676	1.962	
WAN7021WG	2.676	3.666	-1.936	5.666	6.716	0.000	6.046	3.627	5.036	5.466	0.000	1.506	2.116	2.836	2.522	1.916	2.476	5.684	2.604	2.946	8.176	1.976	1.436	1.666	1.466	1.216	5.666	2.266	1.076	1.006	1.016	1.366	2.66	0.006	0.006	4.676	1.962		
WAN7021WM	2.676	3.666	-1.936	5.666	6.716	0.000	6.046	3.627	5.036	5.466	0.000	1.506	2.116	2.836	2.522	1.916	2.476	5.684	2.604	2.946	8.176	1.976	1.436	1.666	1.466	1.216	5.666	2.266	1.076	1.006	1.016	1.366	2.66	0.006	0.006	4.676	1.962		
WAN7030AT	3.786	4.346	-1.946	6.686	4.836	0.000	6.946	4.037	4.916	6.156	5.466	0.000	4.606	3.046	3.146	3.462	1.966	2.816	4.406	2.664	2.376	1.976	1.436	1.216	2.934	1.376	5.606	2.266	1.456	9.366	1.216	1.366	2.66	0.006	0.006	3.576	1.932		
WAN7030BG	2.346	2.436	-2.946	4.786	4.836	0.000	6.766	4.327	5.236	5.106	0.000	1.426	3.036	2.936	3.076	1.376	2.816	4.406	2.346	2.426	8.606	1.566	1.946	1.436	1.376	1.176	-1.936	3.266	8.166	8.996	8.166	1.126	3.086	0.006	0.006	3.576	1.932		
WAN7030BM	2.346	2.436	-2.946	4.786	4.836	0.000	6.766	4.327	5.236	5.106	0.000	1.426	3.036	2.936	3.076	1.376	2.816	4.406	2.346	2.426	8.606	1.566	1.946	1.436	1.376	1.176	-1.936	3.266	8.166	8.996	8.166	1.126	3.086	0.006	0.006	3.576	1.932		
WAN7030TA	3.786	4.346	-1.946	6.686	4.836	0.000	6.706	4.417	6.156	6.956	0.000	4.606	3.046	3.146	3.462	1.966	2.816	4.406	3.646	2.976	1.976	1.436	1.216	2.934	1.376	5.606	2.266	1.456	9.366	1.216	1.366	2.66	0.006	0.006	3.576	1.932			
WAN7030WG	2.346	2.436	-2.946	4.786	4.836	0.000	6.766	4.327	5.236	5.106	0.000	1.426	3.036	2.936	3.076	1.376	2.816	4.406	2.346	2.426	8.606	1.566	1.946	1.436	1.376	1.176	-1.936	3.266	8.166	8.996	8.166	1.126	3.086	0.006	0.006	3.576	1.932		
WAN7030WM	2.346	2.436	-2.946	4.786	4.836	0.000	6.766	4.327	5.236	5.106	0.000	1.426	3.036	2.936	3.076	1.376	2.816	4.406	2.346	2.426	8.606	1.566	1.946	1.436	1.376	1.176	-1.936	3.266	8.166	8.996	8.166	1.126	3.086	0.006	0.006	3.576	1.932		
WAN7040AT	4.064	4.846	-2.936	7.186	4.786	0.000	6.376	5.147	6.946	7.076	0.000	4.9																											

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PEP ecopassport 8/8 HAGE-01455-V01.01-EN

Product Environmental Profile

Motion detector infrared 360°, IP55, wall mounted, white



Company information

Hager
132 Boulevard d'Europe
F 67215 Obernai Cedex
www.hagergroup.com

A question concerning the Product Environmental Profile:
infopep@hager.com

References covered

191, 52110, 52111, 52120, 52121, 52210, 52211, 52220, 52221, 52310, 52311, 52320, 52321, 52370, 52371, EE804A, EE805A, EE820, EE8214, EE830, EE831, EE840, EE841, EE850, EE860, EE861, EE870, EE871.

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed4-2021 09 06 and PSR version PSR-0005-ed3.1-2023 12 08 issued by the PEP ecopassport program.
For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification
EE840

Use scenario based on :
PSR product Category : PSR-0005-ed3.1-2023 12 08
3.15. Other Equipment

Functional unit

To detect presence at 360° and switch on devices, during 10 years.

The functional unit is based on the use scenario recommended by the PCR for the category of the reference product.

Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Others		
	g	%		g	%		g	%
PC	256.40	59.3%	Brass	28.80	6.7%	Cardboard	35.64	8.2%
PE-HD	16.55	3.8%	Copper	25.09	5.8%	Paper	16.00	3.7%
PET	2.28	0.5%	Iron	11.12	2.6%	Wood	10.30	2.4%
PE-LD	2.06	0.5%	Steel	7.34	1.7%	Paper	3.37	0.8%
PC	1.66	0.4%	Tin	0.85	0.2%	Glass	2.71	0.6%
Other	1.71	0.4%	Other	2.41	0.6%	Other	8.31	1.9%
Total mass of reference product with raw material packaging :			432.60 g					
Total mass of reference product (Product + packaging)			412.054 g					

System Boundaries

The environmental information included in the PEP covers all the stages of the life cycle, from "cradle to grave".

Manufacturing			Distribution	Installation	Use							End of life				Module D
Raw material extraction and processing	Transport to the manufacturer	Manufacturing	Distribution to the place of operation	Installation on the place of operation	Use or application of the product installed	Maintenance	Repair	Replacement	Restoration	Energy requirements during the use stage	Water requirements during the use stage	Deinstallation	Transport to the waste treatment site	Treatment of waste in view of its reuse, recovery and/or recycling	Disposal	Benefits and loads beyond the system boundaries
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Life cycle stages																

Manufacturing

These products are manufactured by a site that has received an environmental certification ISO 14001.

This phase takes into account raw materials, manufacturing processes, production offcuts and their end-of-life treatment, upstream transport of materials and sub-assemblies to the manufacturing site, and transport from the manufacturing site to the final logistics platform.

Distribution

The packaging has been designed in accordance with current regulations. In particular, the European directive 94/62/CE relative to packaging and packaging waste.

The used packaging is 100% recyclable or recoverable. Packaging and logistic flows are continuously improved in order to reduce their impact.

This phase taken into account the transport of the finished product, including packaging, to its place of use.

Installation

Installation processes

The processes to install the product are not considered in this study because of their weak impact compared to the other life cycles steps.

This phase only take into account the impact of the the packaging waste treatment is taken into account.

Installation elements (non delivered with the product)

Elements non delivered with the product and needed to install the product are not considered.

Use

Power loss / load dependent			
Active mode		Inactive mode	
Watt	% of time	Watt	% of time
0	30%	0	70%

Power consumption / not load dependent					
Active Sleep phase		Passive Sleep phase		Turn off phase	
Watt	% of time	Watt	% of time	Watt	% of time
1.2	100%	0	0%	0	0%

This corresponds to a total energy consumption of 105.12 kWh for the use span of 10 years.

Energy model of the use phase :

Europe

Consumables and maintenance :

None

End of life

Considering the complexity of the recycling channels for electric and electronic equipment impacts, we rely mainly on ESR modules (datasets for WEEE product end of life).

The recycling potential of the product is: 21%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: raw materials + manufacturing (RMM), distribution (D), installation (I), use (U) and end of life (EoL).

All calculations are done with EIME software version 6.2.4-12 with the database version CODDE® 2024-04 .

Indicators set : Indicators for PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4
Europe	Europe	Europe	Europe	Europe

Environmental impact indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Acidification (PEF-AP)	mole H+ eq	1.98E-02	4.60E-04	2.13E-05	1.90E-01	2.94E-03	2.13E-01	-9.50E-03
Climate change - Total (PEF-GWP)	kg CO2 eq.	2.29E+00	7.25E-02	8.94E-02	3.71E+01	5.63E-01	4.01E+01	-6.00E-01
Climate change-Biogenic (PEF-GWPb)	kg CO2 eq.	-3.56E-04	0.00E+00	5.27E-02	6.82E-02	1.50E-02	1.36E-01	-3.52E-03
Climate change-Fossil (PEF-GWPf)	kg CO2 eq.	2.29E+00	7.25E-02	3.68E-02	3.70E+01	5.48E-01	3.99E+01	-5.96E-01
Climate change-Land use and land use change (PEF-GWPlu)	kg CO2 eq.	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00
Ecotoxicity, freshwater (PEF-CTUe)	CTUe	2.62E+01	4.76E-02	9.90E-02	7.00E+01	6.02E+00	1.02E+02	-2.48E+00
EF-particulate Matter (PEF-PM)	Incidence of diseases	1.27E-07	3.74E-09	8.49E-11	1.53E-06	2.41E-08	1.68E-06	-3.71E-08
Eutrophication, freshwater (PEF-Epf)	kg P eq.	7.25E-05	2.72E-08	1.40E-07	9.75E-05	6.49E-06	1.77E-04	-8.92E-04
Eutrophication marine (PEF-Epm)	kg N eq.	2.15E-03	2.16E-04	2.24E-05	2.31E-02	9.97E-04	2.65E-02	-5.26E-04
Eutrophication, terrestrial (PEF-Ept)	mole of N eq.	2.33E-02	2.36E-03	9.65E-05	3.71E-01	4.53E-03	4.02E-01	-6.70E-03
Human toxicity, cancer (PEF-CTUh-c)	CTUh	5.04E-07	1.28E-12	1.17E-10	4.66E-09	4.37E-08	5.53E-07	-1.36E-09
Human toxicity, non-cancer (PEF-CTUh-nc)	CTUh	1.48E-07	2.47E-11	5.41E-11	1.11E-07	1.53E-08	2.75E-07	-1.06E-07
Ionising radiation, human health (PEF-IR)	kg Bq U235 eq.	1.96E+01	1.77E-04	8.10E-05	5.33E+01	1.99E-02	7.29E+01	-5.55E-03
Land use (PEF-LU)	No dimension	1.28E+00	0.00E+00	0.00E+00	1.03E+00	8.00E-01	3.10E+00	-3.53E+01
Ozone depletion (PEF-ODP)	kg CFC-11 eq.	1.52E-07	1.11E-10	7.15E-11	1.80E-07	4.86E-08	3.80E-07	-1.19E-08
Photochemical ozone formation - human health (PEF-POCP)	kg of NMVOC eq.	7.95E-03	5.96E-04	3.33E-05	7.28E-02	1.41E-03	8.28E-02	-1.89E-03
Resource use, fossils (PEF-ADPf)	MJ	4.61E+01	1.01E+00	3.05E-02	9.35E+02	6.13E+00	9.89E+02	-1.86E+00
Resource use, minerals and metals (PEF-ADPe)	kg Sb eq	1.27E-03	2.86E-09	-4.44E-08	1.31E-05	2.76E-06	1.28E-03	-3.22E-05
Water use (PEF-WU)	m3 eq.	1.07E+00	2.76E-04	2.51E-03	2.84E+00	7.02E+01	7.41E+01	-8.68E+01

Resource use indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Net use of fresh water	m³	2.49E-02	6.42E-06	5.84E-05	6.67E-02	1.92E+00	2.01E+00	-2.09E+00
Total use of primary energy	MJ	4.99E+01	1.01E+00	2.42E-01	1.18E+03	6.48E+00	1.24E+03	-7.09E+00
Total use of non renewable primary energy resources	MJ	4.61E+01	1.01E+00	3.05E-02	9.35E+02	6.13E+00	9.89E+02	-1.86E+00
Total use of renewable primary energy resources	MJ	3.81E+00	1.35E-03	2.11E-01	2.48E+02	3.50E-01	2.52E+02	-5.23E+00
Use of non-renewable primary energy, excluding non renewable primary energy resources used as raw materials	MJ	3.64E+01	1.01E+00	3.05E-02	9.35E+02	6.13E+00	9.79E+02	-1.86E+00
Use of non-renewable primary energy resources as raw materials	MJ	9.72E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	kg	2.72E+00	1.35E-03	2.11E-01	2.48E+02	3.50E-01	2.51E+02	-5.23E+00
Use of renewable primary energy resources as raw materials	MJ	1.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E+00	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Waste category indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Hazardous waste disposed	kg	7.89E+00	0.00E+00	-3.72E-04	1.62E+00	5.45E-02	9.57E+00	-3.53E-07
Non-hazardous waste disposed	kg	2.10E+00	2.55E-03	3.98E-02	6.26E+00	1.05E-02	8.41E+00	-1.26E-04
Radioactive waste disposed	kg	1.19E-03	1.82E-06	8.06E-07	1.44E-03	3.25E-07	2.63E-03	-8.29E-08

Output flow indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	3.47E-03	0.00E+00	1.59E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00
Materials for energy recovery	kg	4.70E-03	0.00E+00	1.47E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00
Materials for recycling	kg	1.27E-02	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00

Biogenic carbon content

Packaging	Unit	Cardboard	Paper	Wood	Sum
Biogenic carbon content (ratio)	%	2.80E+01	3.78E+01	3.95E+01	
Mass	kg	3.56E-02	1.94E-02	1.03E-02	6.53E-02
Biogenic carbon content (declared unit)	kg of C	9.98E-03	7.32E-03	4.07E-03	2.14E-02
Biogenic carbon content (functional unit)	kg of C	9.98E-03	7.32E-03	4.07E-03	2.14E-02
Source		ADEME	APESA/RECORD	EN 16485	

Product	Unit	Cardboard	Paper	Wood	Sum
Mass	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content (declared unit)	kg of C	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content (functional unit)	kg of C	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Extrapolation rules

Extrapolation rules for all phases exclude Use phase:

52371, EE805A	52370, EE804A	52310	191, 52111, 52120, 52121, 52211, 52221, 52311, 52320, 52321, EE841, EE850, EE860, EE861, EE870, EE871	52110, 52210, EE820, EE830, EE831	EE8214	EE840	52220
0.3	0.4	0.6	0.7	0.8	0.9	1	1.1

For Use phase worst case scenario is presented and valid for all references covered.

Verification

Registration N°: HAGE-01330-V01.01-EN	Drafting Rules	PEP-PCR-ed4-2021 09 06
	Supplemented by	PSR-0005-ed3.1-2023 12 08
Verifier accreditation N°: VH37	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 2-2025	Validity period:	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006		
Internal ● External ○		
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)		
PEPs are compliant with XP C08-100-1:2016 or EN 50693:2019		
The elements of the present PEP cannot be compared with elements from another program.		
Document in compliance with ISO 14025 : 2006 « Environmental labels and declarations. Type III environmental declarations »		



Nota :

The picture has no contractual value.

All numerical values indicated in this document may vary and depend of many factors such as the tolerance related to materials, the usage and environment conditions of the products, installation characteristics ... , real values for a product in a concrete application may therefore change.

The usage time mentioned in this document is an average duration chosen for the need of the calculations. This value cannot be assimilated to the minimum, average or real life time.

The responsibility of the company, issuing this document, can never be engaged if differences would be noticed between the values given by this document and real ones, whatever the causes and/or consequences would be.



Product Environmental Profile

Motion detector 90-180° 3-wire/2300W IP55 Signal White



Company information

Hager
132 Boulevard d'Europe
F 67215 Obernai Cedex
www.hagergroup.com

A question concerning the Product Environmental Profile: info@hager.com

References covered

For the complete list of the covered references, see details in Appendix 1.

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed4-2021 09 06 and PSR version PSR-0005-ed3.1-2023 12 08 issued by the PEP ecopassport program.
For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification
WH36250800C

Use scenario based on :
PSR product Category : PSR-0005-ed3.1-2023 12 08
3.15. Other Equipment - Active Products

Functional unit

Control lighting by detecting in motion within an angle up to 180°, with a lifetime of 10 years.

The functional unit is based on the use scenario recommended by the PCR for the category of the reference product.

Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Others		
	g	%		g	%		g	%
PC	63.00	31.0%	Stainless steel	29.96	14.7%	Paper	23.64	11.6%
ABS	13.00	6.4%	Aluminium	19.56	9.6%	Cardboard	23.27	11.5%
PC	13.00	6.4%	Steel	2.49	1.2%	Wood	4.84	2.4%
Polyéthylène-acétate de vinyl	4.04	2.0%	Zinc	0.03	<0.1%	Paper	0.08	<0.1%
Ethylene propylene diene	3.30	1.6%	Silicon	0.01	<0.1%	Other	0.01	<0.1%
Other	2.97	1.5%						
Total mass of reference product with raw material packaging :			203.19 g					
Total mass of reference product (Product + packaging)			193.48 g					

System Boundaries

The environmental information included in the PEP covers all the stages of the life cycle, from "cradle to grave".

Manufacturing			Distribution	Installation	Use							End of life				Module D
Raw material extraction and processing	Transport to the manufacturer	Manufacturing	Distribution to the place of operation	Installation on the place of operation	Use or application of the product installed	Maintenance	Repair	Replacement	Restoration	Energy requirements during the use stage	Water requirements during the use stage	Deinstallation	Transport to the waste treatment site	Treatment of waste in view of its reuse, recovery and/or recycling	Disposal	Benefits and loads beyond the system boundaries
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Life cycle stages																

Manufacturing

These products are manufactured by a site that has received an environmental certification ISO 14001.

This phase takes into account raw materials, manufacturing processes, production offcuts and their end-of-life treatment, upstream transport of materials and sub-assemblies to the manufacturing site, and transport from the manufacturing site to the final logistics platform.

Distribution

The packaging has been designed in accordance with current regulations. In particular, the European directive 94/62/CE relative to packaging and packaging waste.

The used packaging is 100% recyclable or recoverable. Packaging and logistic flows are continuously improved in order to reduce their impact.

This phase taken into account the transport of the finished product, including packaging, to its place of use.

Installation

Installation processes

The processes to install the product are not considered in this study because of their weak impact compared to the other life cycles steps.

This phase only take into account the impact of the packaging waste treatment.

Installation elements (non delivered with the product)

Elements non delivered with the product and needed to install the product are not considered.

Use

Power loss / load dependent			
Active mode		Inactive mode	
Watt	% of time	Watt	% of time
0.005	30.0%	0	70.0%

Power consumption / not load dependent					
Active Sleep phase		Passive Sleep phase		Turn off phase	
Watt	% of time	Watt	% of time	Watt	% of time
0.2	30.0%	0.06	70.0%	0	0.0%

This corresponds to a total energy consumption of 9.07 kWh for the use span of 10 years.

Energy model of the use phase :
Europe

Consumables and maintenance :
None

End of life

Considering the complexity of the recycling channels for electric and electronic equipment impacts, we rely mainly on ESR modules (datasets for WEEE product end of life).

The recycling potential of the product is: 43%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: raw materials + manufacturing (RMM), distribution (D), installation (I), use (U) and end of life (EoL).

All calculations are done with EIME software version 6.2.4-11 with the database version CODDE-2024-04 .

Indicators set : Indicators for PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4
Europe	-	Europe	Europe	Europe

Environmental impact indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Acidification (PEF-AP)	mole H+ eq.	1.13E-02	2.14E-04	1.31E-04	1.64E-02	8.94E-04	2.89E-02	6.23E-04
Climate change - Total (PEF-GWP)	kg CO2 eq.	2.10E+00	3.38E-02	5.82E-02	3.20E+00	1.80E-01	5.57E+00	7.59E-02
Climate change-Biogenic (PEF-GWPb)	kg CO2 eq.	-4.39E-02	0.00E+00	1.10E-02	5.88E-03	8.31E-03	-1.87E-02	3.30E-03
Climate change-Fossil (PEF-GWPF)	kg CO2 eq.	2.15E+00	3.38E-02	4.73E-02	3.19E+00	1.71E-01	5.59E+00	7.26E-02
Climate change-Land use and land use change (PEF-GWPlu)	kg CO2 eq.	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00
Ecotoxicity, freshwater (PEF-CTUe)	CTUe	1.93E+01	2.22E-02	6.81E-01	6.04E+00	8.55E-01	2.69E+01	7.16E-01
EF-particulate Matter (PEF-PM)	Incidence of diseases	6.87E-08	1.74E-09	7.84E-10	1.32E-07	9.81E-09	2.13E-07	5.38E-09
Eutrophication, freshwater (PEF-Epf)	kg P eq.	1.08E-05	1.27E-08	6.47E-07	8.41E-06	2.43E-06	2.23E-05	1.73E-06
Eutrophication, marine (PEF-Epm)	kg N eq.	1.54E-03	1.00E-04	6.26E-05	1.99E-03	1.64E-04	3.86E-03	1.10E-04
Eutrophication, terrestrial (PEF-Ept)	mole of N eq.	1.65E-02	1.10E-03	3.89E-04	3.20E-02	1.85E-03	5.19E-02	1.22E-03
Human toxicity, cancer (PEF-CTUh-c)	CTUh	6.46E-09	5.95E-13	5.21E-09	4.02E-10	1.27E-10	1.22E-08	9.91E-11
Human toxicity, non-cancer (PEF-CTUh-nc)	CTUh	1.38E-08	1.15E-11	1.52E-10	9.60E-09	1.89E-09	2.55E-08	1.48E-09
Ionising radiation, human health (PEF-IR)	kg Bq U235 eq.	2.53E+00	8.24E-05	7.03E-03	4.59E+00	1.37E-02	7.15E+00	1.14E-02
Land use (PEF-LU)	No dimension	8.47E-02	0.00E+00	1.26E-04	8.84E-02	4.23E-01	5.97E-01	-3.41E+00
Ozone depletion (PEF-ODP)	kg CFC-11 eq.	1.02E-07	5.19E-11	6.05E-10	1.55E-08	2.04E-08	1.38E-07	1.48E-08
Photochemical ozone formation - human health (PEF-POCP)	kg of NMVOC eq.	5.10E-03	2.78E-04	9.10E-05	6.28E-03	5.56E-04	1.23E-02	3.73E-04
Resource use, fossils (PEF-ADPf)	MJ	3.18E+01	4.72E-01	4.48E-01	8.07E+01	2.69E+00	1.16E+02	1.97E+00
Resource use, minerals and metals (PEF-ADPe)	kg Sb eq.	1.45E-06	1.33E-09	1.10E-09	1.13E-06	1.05E-06	3.63E-06	8.05E-07
Water use (PEF-WU)	m3 eq.	4.34E-01	1.29E-04	3.52E-03	2.45E-01	3.07E+01	3.14E+01	2.35E+01

Resource use indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Net use of fresh water	m3	1.01E-02	2.99E-06	8.20E-05	5.75E-03	8.54E-01	8.70E-01	6.56E-01
Total primary energy	MJ	3.34E+01	4.73E-01	5.08E-01	1.02E+02	2.85E+00	1.39E+02	1.55E+00
Total non renewable primary energy	MJ	3.18E+01	4.72E-01	4.48E-01	8.07E+01	2.69E+00	1.16E+02	1.97E+00
Total renewable primary energy	MJ	1.67E+00	6.30E-04	5.97E-02	2.13E+01	1.59E-01	2.32E+01	-4.21E-01
Non renewable primary energy used as energy	MJ	2.81E+01	4.72E-01	4.48E-01	8.07E+01	2.69E+00	1.12E+02	1.97E+00
Non renewable primary energy used as raw material	MJ	3.66E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E+00	0.00E+00
Use of non renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Renewable primary energy used as energy	MJ	7.83E-01	6.30E-04	5.97E-02	2.13E+01	1.59E-01	2.24E+01	-4.21E-01
Renewable primary energy used as raw material	MJ	8.89E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-01	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary material	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Waste category indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Hazardous waste disposed	kg	8.46E-02	0.00E+00	1.15E-03	1.40E-01	-5.18E-04	2.25E-01	8.46E-20
Non hazardous waste disposed	kg	1.39E+00	1.19E-03	1.94E-02	5.40E-01	6.86E-03	1.96E+00	2.51E-19
Radioactive waste disposed	kg	8.00E-04	8.46E-07	2.32E-06	1.24E-04	1.84E-07	9.27E-04	0.00E+00

Output flow indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	0.00E+00
Materials for energy recovery	kg	2.21E-03	0.00E+00	3.88E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00
Materials for recycling	kg	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-02	0.00E+00

Biogenic carbon content

Packaging	Unit	Cardboard	Paper	Wood	Sum
Biogenic carbon content (ratio)	%	2.80E+01	3.78E+01	3.95E+01	
Mass	kg	2.33E-02	2.37E-02	4.84E-03	5.18E-02
Biogenic carbon content (declared unit)	kg of C	6.52E-03	8.97E-03	1.91E-03	1.74E-02
Biogenic carbon content (functional unit)	kg of C	6.52E-03	8.97E-03	1.91E-03	1.74E-02
Source		ADEME	APESA/RECORD	EN 16485	

Product	Unit	Cardboard	Paper	Wood	Sum
Mass	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content (declared unit)	kg of C	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content (functional unit)	kg of C	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Extrapolation rules

Additional references (see Appendix) covered by PEP, the environmental impacts for each phase and indicator are derived from life-cycle analysis (LCA). The impact values are either directly calculated by LCA or by extrapolation following PEP Ecopassport rules. However, some of the detailed conditions applied in those cases may differ from the main reference.

Verification

Registration N°: HAGE-01422-V01.01-EN	Drafting Rules	PEP-PCR-ed4-2021 09 06
	Supplemented by	PSR-0005-ed3.1-2023 12 08
Verifier accreditation N°: VH65	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 11-2025	Validity period:	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006		
Internal ● External ○		
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)		
PEPs are compliant with XP C08-100-1:2016 or EN 50693:2019		
The elements of the present PEP cannot be compared with elements from another program.		
Document in compliance with ISO 14025 : 2006 « Environmental labels and declarations. Type III environmental declarations »		

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Appendix

Manufacturing
A1-A3

		Acidification (PEF-AP) - [mole H+ eq.]	Climate change - Total (PEF-GWP) - [kg CO2 eq.]	Climate change-Biogenic (PEF-GWPb) - [kg CO2 eq.]	Climate change-Fossil (PEF-GWPl) - [kg CO2 eq.]	Climate change-Land use and land use change (PEF-GWPU) - [kg CO2 eq.]	Components for re-use - [kg]	Ecotoxicity, freshwater (PEF-CTUe) - [CTUe]	Eutrophication, freshwater (PEF-Ept) - [kg P eq.]	Eutrophication, marine (PEF-Epm) - [kg N eq.]	Eutrophication, terrestrial (PEF-Ept) - [mole of N eq.]	Exported energy - [MJ]	Hazardous waste disposed - [kg]	Human toxicity, cancer (PEF-CTUh-c) - [CTUh]	Human toxicity, non-cancer (PEF-CTUh-n-c) - [CTUh]	Ionising radiation, human health (PEF-IR) - [kg Bq U235 eq.]	Land use (PEF-LU)	Materials for energy recovery - [kg]	Materials for recycling - [kg]	Net use of fresh water - [m3]	Non hazardous waste disposed - [kg]	Non renewable primary energy used as energy - [MJ]	Non renewable primary energy used as raw material - [MJ]	Ozone depletion (PEF-ODP) - [kg CFC-11 eq.]	EF-particulate Matter (PEF-PM) - [Incidence of disease]	Photochemical ozone formation - human health (PEF-POCP) - [kg of NMVOC eq.]	Radioactive waste disposed - [kg]	Renewable primary energy used as energy - [MJ]	Renewable primary energy used as raw material - [MJ]	Resource use, fossils (PEF-ADPl) - [MJ]	Resource use, minerals and metals (PEF-ADRe) - [kg Sb eq.]	Total non renewable primary energy - [MJ]	Total primary energy - [MJ]	Total renewable primary energy - [MJ]	Use of non renewable secondary fuels - [MJ]	Use of renewable secondary fuels - [MJ]	Use of secondary material - [kg]	Water use (PEF-WU) - [m3 eq.]	
WH36250800C		1.13E+02	2.10E+05	-4.38E+02	2.10E+05	1.93E+05	0.00E+00	1.02E+01	1.08E+05	1.94E+02	1.88E+02	1.63E+01	8.46E+02	6.46E+05	1.38E+06	2.53E+00	8.47E+02	2.21E+03	1.56E+02	1.01E+02	1.38E+05	2.81E+05	3.69E+00	1.03E+01	6.87E+04	5.10E+03	8.00E+04	7.83E+01	8.85E+01	3.18E+01	1.45E+05	3.18E+05	3.34E+01	1.67E+00	0.00E+00	0.00E+00	0.00E+00	4.34E+01	
170106		3.15E+02	4.94E+05	-4.75E+03	4.98E+05	4.30E+05	0.00E+00	2.15E+02	3.16E+05	4.36E+02	9.93E+03	8.69E+04	2.00E+01	3.28E+05	1.16E+07	1.22E+01	1.81E+01	2.13E+03	4.77E+03	3.52E+02	1.71E+05	9.21E+05	2.08E+00	5.36E+02	2.08E+01	2.43E+02	5.76E+04	2.77E+05	1.44E+06	9.64E+01	2.50E+02	9.77E+05	1.99E+02	4.30E+00	0.00E+00	0.00E+00	2.81E+05	1.72E+05	
75241003		2.74E+02	4.40E+05	-3.51E+02	4.33E+05	5.64E+05	0.00E+00	1.38E+02	2.88E+05	2.38E+03	3.91E+02	9.91E+04	1.83E+01	2.88E+05	1.10E+07	2.20E+01	1.53E+01	1.93E+03	4.90E+03	3.91E+02	1.13E+05	9.27E+05	2.64E+00	5.23E+02	1.83E+01	1.30E+02	4.44E+04	4.77E+05	7.86E+01	5.90E+01	1.37E+05	5.48E+05	5.86E+01	5.23E+00	0.00E+00	0.00E+00	2.54E+05	2.33E+05	
75241004		2.90E+02	4.37E+05	-3.47E+03	4.54E+05	5.83E+05	0.00E+00	1.41E+02	2.90E+05	2.37E+03	3.41E+02	8.39E+04	1.88E+01	2.81E+05	1.13E+07	2.21E+01	1.57E+01	1.93E+03	4.73E+03	3.91E+02	1.23E+05	9.77E+05	2.03E+00	4.89E+02	1.83E+01	1.47E+02	4.78E+04	4.88E+05	7.71E+01	6.31E+01	1.43E+05	6.33E+05	6.78E+01	5.36E+00	0.00E+00	0.00E+00	2.09E+05	2.28E+05	
75241005		2.93E+02	4.28E+05	-3.48E+03	4.22E+05	5.49E+05	0.00E+00	1.40E+02	2.89E+05	2.35E+03	3.10E+02	8.19E+04	2.83E+01	2.82E+05	1.13E+07	2.20E+01	1.58E+01	1.27E+03	3.94E+03	3.91E+02	1.18E+05	9.26E+05	1.89E+00	4.85E+02	1.82E+01	1.30E+02	4.93E+04	4.71E+05	7.84E+01	5.52E+01	1.33E+05	5.48E+05	5.92E+01	5.17E+00	0.00E+00	0.00E+00	2.59E+05	2.39E+05	
80262160		1.86E+02	3.10E+05	-1.17E+01	3.04E+05	4.23E+05	0.00E+00	3.60E+01	1.34E+05	2.23E+02	2.91E+02	1.83E+04	1.27E+01	1.94E+07	9.03E+06	2.15E+01	1.53E+01	1.86E+03	7.18E+03	3.14E+02	9.47E+05	4.77E+05	1.63E+00	4.63E+01	1.26E+01	7.42E+03	4.14E+04	3.74E+05	1.66E+06	5.00E+01	1.03E+05	3.97E+05	5.49E+01	5.33E+00	0.00E+00	0.00E+00	1.37E+05	1.40E+05	
80262161		3.58E+02	4.88E+05	-3.28E+02	4.81E+05	4.82E+05	0.00E+00	3.76E+01	2.88E+05	4.31E+03	3.24E+02	7.89E+04	3.05E+01	2.83E+05	1.63E+07	5.47E+00	1.03E+01	1.77E+02	4.88E+03	3.63E+02	1.73E+05	8.66E+05	1.89E+00	6.16E+02	2.18E+02	2.23E+02	7.03E+04	4.36E+05	8.36E+01	8.79E+01	1.35E+05	8.98E+05	9.37E+01	4.94E+00	0.00E+00	0.00E+00	9.93E+07	2.42E+05	
80262170		1.65E+02	3.90E+05	-1.28E+01	3.96E+05	4.54E+05	0.00E+00	3.97E+01	1.33E+05	2.14E+02	2.40E+02	3.00E+00	1.47E+01	2.02E+07	9.96E+06	5.64E+00	1.06E+01	1.87E+03	1.16E+02	3.36E+02	9.57E+05	4.72E+05	1.66E+00	5.47E+01	1.33E+01	7.86E+03	4.06E+04	3.90E+05	1.70E+06	4.69E+01	1.17E+05	4.88E+05	5.49E+01	5.62E+00	0.00E+00	0.00E+00	0.00E+00	1.48E+05	
80262260		2.31E+02	4.87E+05	-1.38E+03	5.03E+05	6.30E+05	0.00E+00	3.83E+02	1.85E+05	8.91E+03	4.83E+02	3.46E+04	1.34E+01	1.46E+07	9.16E+06	2.88E+01	2.38E+01	3.97E+03	1.65E+02	4.80E+02	2.23E+05	1.05E+06	2.94E+00	6.94E+02	1.46E+01	9.97E+03	6.33E+04	5.00E+05	2.12E+06	1.68E+02	1.02E+05	1.94E+05	1.19E+02	6.92E+00	0.00E+00	0.00E+00	2.08E+05	1.73E+05	
80262261		3.12E+02	4.81E+05	-4.88E+02	4.55E+05	3.64E+05	0.00E+00	3.46E+01	2.68E+05	4.31E+03	5.25E+02	1.04E+05	3.06E+01	1.99E+06	1.64E+07	5.43E+00	1.36E+01	1.83E+03	4.65E+03	3.41E+02	1.73E+05	8.86E+05	2.71E+00	5.91E+02	1.90E+01	2.25E+02	7.05E+04	3.12E+05	8.76E+01	8.79E+01	1.38E+05	9.97E+05	9.42E+01	4.27E+00	0.00E+00	0.00E+00	9.06E+07	1.86E+05	
80262270		1.86E+02	3.64E+05	-1.26E+01	3.96E+05	4.54E+05	0.00E+00	3.97E+01	1.33E+05	2.14E+02	2.40E+02	3.00E+00	1.47E+01	2.02E+07	9.96E+06	5.64E+00	1.06E+01	1.86E+03	1.16E+02	3.36E+02	9.57E+05	4.72E+05	1.66E+00	5.47E+02	1.33E+01	7.86E+03	4.06E+04	3.90E+05	1.70E+06	4.69E+01	1.17E+05	4.88E+05	5.49E+01	5.62E+00	0.00E+00	0.00E+00	0.00E+00	1.48E+05	
85341126		2.33E+02	3.91E+05	-1.15E+01	3.85E+05	2.77E+05	0.00E+00	3.16E+01	1.28E+05	2.47E+02	2.79E+02	9.86E+04	3.44E+01	8.79E+05	1.62E+07	2.86E+00	1.91E+01	1.34E+03	3.11E+02	2.96E+02	1.28E+05	4.78E+05	1.51E+00	4.12E+02	1.33E+01	9.14E+03	6.96E+04	2.94E+05	1.41E+06	4.94E+01	2.31E+05	4.94E+05	5.97E+01	3.76E+00	0.00E+00	0.00E+00	0.00E+00	1.26E+05	
85341129		2.25E+02	3.42E+05	-1.14E+01	3.53E+05	2.17E+05	0.00E+00	3.97E+01	1.26E+05	2.47E+02	2.89E+02	9.91E+04	3.42E+01	8.79E+05	1.61E+07	2.86E+00	1.91E+01	1.34E+03	3.11E+02	2.96E+02	1.28E+05	4.82E+05	1.52E+00	4.12E+02	1.34E+01	9.06E+03	6.92E+04	2.92E+05	1.41E+06	4.97E+01	2.31E+05	4.97E+05	5.97E+01	3.62E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+05	
85341131		3.06E+02	3.96E+05	-4.07E+02	3.92E+05	4.36E+05	0.00E+00	3.96E+02	1.96E+05	1.06E+04	2.45E+02	3.91E+02	7.73E+04	3.29E+01	2.96E+05	1.63E+07	3.10E+01	1.02E+01	1.64E+03	2.67E+02	3.09E+02	1.26E+05	4.65E+05	1.49E+00	5.06E+02	1.76E+02	2.73E+02	6.97E+04	4.26E+05	8.46E+01	4.69E+01	1.32E+05	4.95E+05	5.92E+01	4.57E+00	0.00E+00	0.00E+00	6.53E+07	2.16E+05
85341139		3.07E+02	3.98E+05	-4.06E+02	3.93E+05	4.36E+05	0.00E+00	3.96E+02	1.96E+05	1.06E+04	2.46E+02	3.91E+02	7.73E+04	3.29E+01	2.96E+05	1.63E+07	3.10E+01	1.02E+01	1.64E+03	2.67E+02	3.09E+02	1.26E+05	4.62E+05	1.49E+00	5.06E+02	1.76E+02	6.97E+04	4.26E+05	8.46E+01	4.69E+01	1.32E+05	4.94E+05	5.96E+01	4.52E+00	0.00E+00	0.00E+00	6.53E+07	2.16E+05	
85341179		2.26E+02	3.52E+05	-1.14E+01	3.64E+05	2.77E+05	0.00E+00	3.16E+01	1.28E+05	2.47E+02	2.79E+02	9.86E+04	3.42E+01	8.74E+05	1.62E+07	2.86E+00	1.91E+01	1.36E+03	3.11E+02	2.97E+02	1.28E+05	4.88E+05	1.53E+00	4.14E+02	1.26E+01	8.89E+03	6.93E+04	2.95E+05	1.41E+06	4.93E+01	2.31E+05	4.93E+05	5.97E+01	3.77E+00	0.00E+00	0.00E+00	0.00E+00	1.26E+05	
85341185		2.26E+02	3.91E+05	-1.15E+01	3.83E+05	2.93E+05	0.00E+00	3.06E+01	1.28E+05	2.46E+02	2.74E+02	9.76E+04	3.42E+01	8.73E+05	1.62E+07	2.86E+00	1.90E+01	1.33E+03	3.06E+02	2.97E+02	1.28E+05	4.86E+05	1.47E+00	4.14E+02	1.26E+01	8.89E+03	6.93E+04	2.93E+05	1.41E+06	4.91E+01	2.31E+05	4.91E+05	5.98E+01	3.72E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+05	
85341188		2.21E+02	3.47E+05	-1.14E+01	3.53E+05	2.82E+05	0.00E+00	3.97E+01	1.26E+05	2.46E+02	2.84E+02	9.91E+04	3.42E+01	8.73E+05	1.61E+07	2.86E+00	1.90E+01	1.33E+03	3.10E+02	2.96E+02	1.28E+05	4.93E+05	1.48E+00	4.13E+02	1.24E+01	8.90E+03	6.92E+04	2.94E+05	1.41E+06	4.96E+01	2.31E+05	4.93E+05	5.98E+01	3.98E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+05	
85341189		2.21E+02	3.47E+05	-1.14E+01	3.53E+05	2.82E+05	0.00E+00	3.97E+01	1.26E+05	2.46E+02	2.84E+02	9.91E+04	3.42E+01	8.73E+05	1.61E+07	2.86E+00	1.90E+01	1.33E+03	3.10E+02	2.96E+02	1.28E+05	4.93E+05	1.48E+00	4.13E+02	1.24E+01	8.90E+03	6.92E+04	2.94E+05	1.41E+06	4.96E+01	2.31E+05	4.93E+05	5.98E+01	3.98E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+05	
85341226		2.27E+02	3.49E+05	-1.15E+01	3.81E+05	2.77E+05	0.00E+00	3.97E+01	1.30E+05	2.42E+02	2.71E+02	1.00E+05	3.44E+01	8.78E+05	1.62E+07	3.02E+00	1.91E+01	1.36E+03	3.12E+02	3.00E+02	1.30E+05	4.88E+05	1.54E+00	4.23E+02	1.27E+01	8.95E+03	7.18E+04	2.23E+05	1.42E+06	4.84E+01	2.31E+05	4.94E+05	5.97E+01	3.64E+00	0.00E+00	0.00E+00	0.00E+00	1.26E+05	
85341229		2.24E+02	3.44E+05	-1.14E+01	3.96E+05	2.77E+05	0.00E+00	3.82E+01	1.30E+05	2.46E+02	2.68E+02	1.00E+05	3.44E+01	8.77E+05	1.62E+07	3.02E+00	1.91E+01	1.36E+03	3.12E+02	2.99E+02	1.28E+05	4.86E+05	1.54E+00	4.16E+02	1.26E+01	8.89E+03	7.12E+04	2.23E+05	1.42E+06	4.73E+01	2.31E+05	4.73E+05	5.97E+01	3.69E+00	0.00E+00	0.00E+00	0.00E+00	1.26E+05	
85341239		1.96E+02	3.02E+05	-1.15E+01	3.14E+05	1.86E+05	0.00E+00	2.91E+01	8.79E+04	2.16E+02	2.36E+02	3.26E+04	1.18E+01	7.69E+05	7.26E+06	2.72E+00	7.03E+02	1.26E+03	1.68E+03	2.96E+02	7.41E+05	4.11E+05	1.13E+00	3.76E+01	1.06E+01	7.68E+03	6.93E+04	1.95E+05	1.42E+06	4.22E+01	7.74E+04	4.22E+04	5.68E+01	3.36E+00	0.00E+00	0.00E+00	1.39E+05	8.94E+01	
85341275		2.38E+02	3.60E+05	-1.14E+01	3.72E+05	2.77E+05	0.00E+00	3.76E+01	1.30E+05	2.41E+02	2.82E+02	1.01E+05	3.44E+01	8.83E+05	1.63E+07	3.02E+00	1.92E+01	1.37E+03	3.13E+02	3.02E+02	1.31E+05	4.87E+05	1.59E+00	4.24E+02	1.26E+01	9.29E+03	7.20E+04	2.44E+05	1.42E+06	5.03E+01	2.31E+05	5.03E+05	5.47E+01	3.84E+00	0.00E+00	0.00E+00	0.00E+00	1.26E+05	
85341279		2.31E+02	3.90E+05	-1.14E+01																																			

	EED518	5.33E-01	5.94E-01	-1.43E-01	9.99E-01	1.47E-01	0.00E+00	8.46E-01	3.10E-01	5.46E-01	5.99E-01	0.00E+00	0.00E+00	5.23E-01	1.97E-01	3.49E-01	6.00E-01	4.90E-01	3.51E-01	1.05E-01	8.32E-01	2.36E-01	1.14E-01	4.69E-01	1.34E-01	3.16E-01	1.82E-01	1.09E-01	9.97E-01	2.62E-01	1.19E-01	3.21E-01	1.18E-01	1.37E-01	1.27E-01	0.00E+00	0.00E+00	0.00E+00	3.09E-01
	EER501CH	2.51E-02	4.99E-01	-8.97E-02	5.99E-01	5.99E-01	0.00E+00	1.42E-01	2.00E-01	2.92E-01	3.94E-02	0.00E+00	0.00E+00	1.79E-01	2.19E-01	1.26E-01	3.50E-01	1.97E-01	2.26E-01	5.99E-01	5.36E-02	1.32E-01	8.26E-01	2.80E-01	7.52E-01	1.97E-01	6.47E-01	6.09E-01	4.99E-01	1.82E-01	6.57E-01	9.98E-01	6.57E-01	7.21E-01	6.42E-01	0.00E+00	0.00E+00	0.00E+00	2.32E-01
	EER501KP3	3.99E-02	5.94E-01	-1.23E-01	5.99E-01	6.26E-01	0.00E+00	4.79E-01	2.11E-01	6.39E-01	4.93E-01	1.21E-01	0.00E+00	1.14E-01	8.72E-01	1.99E-01	2.27E-01	3.92E-01	5.19E-01	3.91E-02	2.17E-01	1.03E-01	3.37E-01	5.79E-01	1.89E-01	1.89E-01	1.89E-01	8.53E-01	4.79E-01	2.07E-01	1.09E-01	1.24E-01	1.07E-01	1.13E-01	6.93E-01	0.00E+00	0.00E+00	4.82E-01	1.80E-01
	EER501W3	3.99E-02	5.94E-01	-1.23E-01	5.99E-01	6.26E-01	0.00E+00	4.79E-01	2.11E-01	6.39E-01	4.93E-01	1.21E-01	0.00E+00	1.14E-01	8.72E-01	1.99E-01	2.27E-01	3.92E-01	5.19E-01	3.91E-02	2.17E-01	1.03E-01	3.37E-01	5.79E-01	1.89E-01	1.89E-01	1.89E-01	8.53E-01	4.79E-01	2.07E-01	1.09E-01	1.24E-01	1.07E-01	1.13E-01	6.93E-01	0.00E+00	0.00E+00	4.82E-01	1.80E-01
	EER503KP3	3.99E-02	5.94E-01	-1.23E-01	5.99E-01	6.26E-01	0.00E+00	4.79E-01	2.11E-01	6.39E-01	4.93E-01	1.21E-01	0.00E+00	1.14E-01	8.72E-01	1.99E-01	2.27E-01	3.92E-01	5.19E-01	3.91E-02	2.17E-01	1.03E-01	3.37E-01	5.79E-01	1.89E-01	1.89E-01	1.89E-01	8.53E-01	4.79E-01	2.07E-01	1.09E-01	1.24E-01	1.07E-01	1.13E-01	6.93E-01	0.00E+00	0.00E+00	4.82E-01	1.80E-01
	EER503KP5	3.99E-02	5.94E-01	-1.23E-01	5.99E-01	6.26E-01	0.00E+00	4.79E-01	2.11E-01	6.39E-01	4.93E-01	1.21E-01	0.00E+00	1.14E-01	8.72E-01	1.99E-01	2.27E-01	3.92E-01	5.19E-01	3.91E-02	2.17E-01	1.03E-01	3.37E-01	5.79E-01	1.89E-01	1.89E-01	1.89E-01	8.53E-01	4.79E-01	2.07E-01	1.09E-01	1.24E-01	1.07E-01	1.13E-01	6.93E-01	0.00E+00	0.00E+00	4.82E-01	1.80E-01
	EER503W3	3.99E-02	5.94E-01	-1.23E-01	5.99E-01	6.26E-01	0.00E+00	4.79E-01	2.11E-01	6.39E-01	4.93E-01	1.21E-01	0.00E+00	1.14E-01	8.72E-01	1.99E-01	2.27E-01	3.92E-01	5.19E-01	3.91E-02	2.17E-01	1.03E-01	3.37E-01	5.79E-01	1.89E-01	1.89E-01	1.89E-01	8.53E-01	4.79E-01	2.07E-01	1.09E-01	1.24E-01	1.07E-01	1.13E-01	6.93E-01	0.00E+00	0.00E+00	4.82E-01	1.80E-01
	EE50150A	1.66E-01	3.16E-01	-1.24E-01	3.17E-01	3.94E-01	0.00E+00	3.91E-01	5.79E-01	6.39E-01	2.97E-01	2.26E-01	0.00E+00	9.92E-01	3.62E-01	1.46E-01	8.99E-01	2.79E-01	1.89E-01	4.97E-01	3.99E-02	7.24E-01	1.03E-01	4.34E-01	1.99E-01	4.34E-01	6.99E-01	3.99E-01	3.32E-01	3.42E-01	6.99E-01	5.19E-01	5.19E-01	0.00E+00	0.00E+00	0.00E+00	1.32E-01		
	TCC520E	2.99E-02	3.94E-01	-1.19E-01	3.79E-01	3.94E-01	0.00E+00	7.49E-01	6.99E-01	2.99E-01	2.94E-02	0.00E+00	1.91E-01	5.99E-01	1.99E-01	8.99E-01	2.79E-01	2.31E-01	5.79E-01	3.79E-02	8.31E-01	5.19E-01	2.91E-01	4.79E-01	1.79E-01	1.29E-01	8.09E-01	3.93E-01	4.32E-01	1.75E-01	5.49E-01	3.49E-01	3.99E-01	1.99E-01	0.00E+00	0.00E+00	0.00E+00	1.19E-01	
	TCC521E	2.99E-02	3.92E-01	-1.27E-01	3.32E-01	3.93E-01	0.00E+00	7.94E-01	6.29E-01	3.19E-01	2.99E-02	0.00E+00	1.29E-01	7.99E-01	1.99E-01	9.79E-01	2.79E-01	2.19E-01	5.79E-01	4.97E-02	1.19E-01	8.79E-01	2.49E-01	7.97E-01	1.99E-01	1.99E-01	1.99E-01	8.23E-01	5.39E-01	1.82E-01	6.97E-01	3.24E-01	6.97E-01	7.99E-01	7.19E-01	0.00E+00	0.00E+00	0.00E+00	1.97E-01
	TR500	4.41E-02	7.99E-01	-5.49E-02	7.99E-01	5.91E-01	0.00E+00	3.93E-02	3.19E-01	4.94E-01	3.77E-02	1.29E-01	3.34E-01	4.99E-01	2.91E-02	1.39E-01	1.93E-01	2.99E-01	7.79E-01	5.99E-02	1.97E-01	8.29E-01	3.61E-01	1.09E-01	2.99E-01	1.99E-01	1.99E-01	8.59E-01	3.99E-01	1.19E-01	8.94E-01	2.79E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01
	TR501	4.41E-02	8.32E-01	-1.41E-01	8.32E-01	6.99E-01	0.00E+00	7.92E-01	3.39E-01	5.19E-01	2.99E-02	6.99E-01	3.99E-01	1.33E-01	2.19E-01	1.39E-01	2.39E-01	3.49E-01	9.49E-01	6.91E-02	2.19E-01	8.99E-01	3.79E-01	1.99E-01	2.91E-01	1.74E-01	8.97E-01	5.97E-01	2.99E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01	
	TR520	2.99E-02	5.94E-01	-1.23E-01	5.99E-01	6.17E-01	0.00E+00	4.27E-01	3.79E-01	6.39E-01	4.93E-01	1.21E-01	0.00E+00	1.14E-01	8.72E-01	1.99E-01	2.27E-01	3.92E-01	5.19E-01	3.91E-02	2.17E-01	1.03E-01	3.37E-01	5.79E-01	1.89E-01	1.89E-01	1.89E-01	8.53E-01	4.79E-01	2.07E-01	1.09E-01	1.24E-01	1.07E-01	1.13E-01	6.93E-01	0.00E+00	0.00E+00	4.82E-01	1.80E-01
	TR521	2.97E-02	5.97E-01	-1.42E-01	5.49E-01	6.34E-01	0.00E+00	5.29E-01	3.39E-01	4.79E-01	4.12E-01	6.47E-01	3.59E-01	1.37E-01	2.99E-01	1.29E-01	2.27E-01	3.97E-01	9.09E-01	4.42E-02	1.99E-01	7.99E-01	5.62E-01	6.39E-01	1.99E-01	1.99E-01	1.99E-01	8.14E-01	4.93E-01	2.39E-01	8.79E-01	2.94E-01	6.34E-01	9.22E-01	6.93E-01	0.00E+00	0.00E+00	1.79E-01	1.93E-01
	TR5700	4.29E-02	6.47E-01	-1.89E-01	6.99E-01	5.79E-01	0.00E+00	3.92E-01	5.49E-01	5.92E-01	6.29E-02	5.47E-01	6.19E-01	8.91E-01	1.43E-01	1.43E-01	2.79E-01	7.16E-01	9.91E-01	3.99E-02	2.79E-01	1.09E-01	1.69E-01	5.79E-01	2.49E-01	2.91E-01	1.73E-01	2.79E-01	3.99E-01	1.22E-01	9.13E-01	1.22E-01	1.29E-01	5.99E-01	0.00E+00	0.00E+00	9.39E-01	1.97E-01	
	TR5720	4.09E-02	6.99E-01	-1.99E-01	7.99E-01	7.23E-01	0.00E+00	1.49E-01	3.77E-01	6.99E-01	3.94E-01	9.93E-01	3.52E-01	1.91E-01	2.92E-01	2.94E-01	4.99E-01	4.91E-01	7.19E-01	4.73E-02	2.42E-01	1.93E-01	3.79E-01	2.97E-01	2.99E-01	1.99E-01	1.99E-01	8.99E-01	4.99E-01	2.79E-01	1.21E-01	9.92E-01	1.29E-01	1.29E-01	7.97E-01	0.00E+00	0.00E+00	2.39E-01	2.99E-01
	TXC501	6.29E-02	1.37E-01	-1.37E-01	1.39E-01	1.92E-01	0.00E+00	7.99E-01	3.91E-01	6.99E-01	4.27E-02	0.00E+00	1.79E-01	8.19E-01	1.97E-01	4.99E-01	4.99E-01	3.99E-01	1.09E-02	1.19E-01	3.29E-01	1.41E-01	4.59E-01	2.79E-01	2.79E-01	1.79E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01
	TXC515	6.29E-02	1.37E-01	-1.39E-01	1.39E-01	1.92E-01	0.00E+00	5.99E-01	3.91E-01	6.99E-01	4.27E-02	0.00E+00	1.79E-01	8.19E-01	1.97E-01	4.99E-01	4.99E-01	3.99E-01	1.09E-02	1.19E-01	3.29E-01	1.41E-01	4.59E-01	2.79E-01	2.79E-01	1.79E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	
	TXC518	8.39E-02	1.39E-01	-1.39E-01	1.39E-01	1.92E-01	0.00E+00	7.97E-01	3.91E-01	6.97E-01	7.29E-01	0.00E+00	1.94E-01	8.19E-01	1.99E-01	4.17E-01	4.99E-01	2.99E-01	1.09E-02	1.19E-01	3.29E-01	1.42E-01	4.59E-01	2.79E-01	2.79E-01	1.79E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	1.97E-01	
	TXD501	6.71E-02	1.99E-01	-1.42E-02	1.99E-01	5.79E-01	0.00E+00	0.97E-01	1.99E-01	7.17E-01	7.91E-02	7.71E-01	2.71E-01	4.49E-01	1.79E-01	7.91E-01	1.99E-01	9.99E-01	8.19E-01	5.99E-02	2.94E-01	1.29E-01	1.79E-01	1.33E-01	3.79E-01	2.29E-01	1.13E-01	4.99E-01	3.39E-01	1.24E-01	1.49E-01	1.24E-01	1.39E-01	5.71E-01	0.00E+00	0.00E+00	1.99E-01	2.39E-01	
	TXD501CH	4.42E-02	1.94E-01	-1.23E-01	1.99E-01	9.99E-01	0.00E+00	4.93E-01	2.91E-01	4.93E-01	5.49E-01	0.00E+00	1.77E-01	9.44E-01	1.99E-01	3.91E-01	3.49E-01	1.99E-01	6.29E-01	8.92E-02	2.93E-01	1.99E-01	1.79E-01	1.79E-01	2.79E-01	1.89E-01	1.17E-01	9.99E-01	7.62E-01	1.72E-01	2.99E-01	1.19E-01	1.19E-01	1.22E-01	1.92E-01	0.00E+00	0.00E+00	6.99E-01	3.93E-01
	TXD503	7.13E-02	1.13E-01	-1.13E-01	1.14E-01	1.77E-01	0.00E+00	7.99E-01	3.91E-01	6.39E-01	7.29E-01	1.77E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	
	TXD505	7.11E-02	1.13E-01	-1.19E-01	1.14E-01	1.77E-01	0.00E+00	4.79E-01	2.97E-01	7.99E-01	8.27E-01	1.79E-01	2.79E-01	1.99E-01	1.99E-01	1.99E-01	2.49E-01	2.29E-01	1.97E-01	6.49E-02	2.77E-01	1.33E-01	2.63E-01	1.39E-01	4.93E-01	2.73E-01	1.29E-01	4.99E-01	1.84E-01	1.99E-01	1.39E-01	1.47E-01	1.39E-01	1.42E-01	6.94E-01	0.00E+00	0.00E+00	2.99E-01	2.77E-01
	WE092	3.99E-01	4.99E-01	-9.97E-01	4.99E-01	6.71E-01	0.00E+00	4.19E-01	1.99E-01	3.29E-01	3.49E-01	9.93E-01	1.99E-01	8.33E-01	9.99E-01	1.99E-01	1.99E-01	1.33E-01	1.19E-01	2.99E-01	1.19E-01	9.99E-01	2.99E-01	5.49E-01	1.97E-01	1.19E-01	9.71E-01	9.99E-01	5.93E-01	6.99E-01	9.71E-01	3.29E-01	0.00E+00	0.00E+00	2.91E-01	1.14E-01			
	WE052A	2.99E-02	4.49E-01	-8.99E-02	4.34E-01	6.29E-01	0.00E+00	4.14E-01	1.94E-01	3.17E-01	3.39E-02	8.99E-01	1.99E-01	8.39E-01	9.49E-01	1.99E-02	1.97E-01	1																					

WH25250905C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.770	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH25250907C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.765	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH25250909C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.770	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH26250900C	2.765	6.130	-1.225	6.160	6.135	0.000	1.200	1.775	0.835	4.085	8.365	6.015	0.005	7.735	4.160	2.155	3.135	5.435	4.775	1.955	9.235	3.260	6.235	1.745	1.025	6.375	4.405	1.935	9.485	6.265	9.165	1.005	6.065	0.005	5.065	1.765	
WH26250903C	2.765	6.130	-1.225	6.160	6.135	0.000	1.200	1.775	0.835	4.085	8.365	6.015	0.005	7.735	4.160	2.155	3.135	5.435	4.775	1.955	9.235	3.260	6.235	1.745	1.025	6.375	4.405	1.935	9.485	6.265	9.165	1.005	6.065	0.005	5.065	1.765	
WH26250904C	2.765	6.130	-1.225	6.160	6.135	0.000	1.200	1.775	0.835	4.085	8.365	6.015	0.005	7.735	4.160	2.155	3.135	5.435	4.775	1.955	9.235	3.260	6.235	1.745	1.025	6.375	4.405	1.935	9.485	6.265	9.165	1.005	6.065	0.005	5.065	1.765	
WH26250905C	2.765	6.130	-1.225	6.160	6.135	0.000	1.200	1.775	0.835	4.085	8.365	6.015	0.005	7.735	4.160	2.155	3.135	5.435	4.775	1.955	9.235	3.260	6.235	1.745	1.025	6.375	4.405	1.935	9.485	6.265	9.165	1.005	6.065	0.005	5.065	1.765	
WH26250907C	2.765	6.130	-1.225	6.160	6.135	0.000	1.200	1.775	0.835	4.085	8.365	6.015	0.005	7.735	4.160	2.155	3.135	5.435	4.775	1.955	9.235	3.260	6.235	1.745	1.025	6.375	4.405	1.935	9.485	6.265	9.165	1.005	6.065	0.005	5.065	1.765	
WH26250909C	2.765	6.130	-1.225	6.160	6.135	0.000	1.200	1.775	0.835	4.085	8.365	6.015	0.005	7.735	4.160	2.155	3.135	5.435	4.775	1.955	9.235	3.260	6.235	1.745	1.025	6.375	4.405	1.935	9.485	6.265	9.165	1.005	6.065	0.005	5.065	1.765	
WH26250900C	2.845	6.130	-1.185	6.235	6.135	0.000	1.411	2.085	0.735	4.215	7.955	6.985	8.005	1.045	2.155	2.075	5.145	4.955	1.975	9.325	3.185	6.415	1.735	1.025	6.025	4.935	1.925	9.535	1.215	9.335	1.015	6.435	0.005	4.835	1.885		
WH26250903C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.765	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH26250904C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.770	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH26250905C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.765	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH26250907C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.765	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH26250909C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.770	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH27250900C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.765	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH27250903C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.765	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH27250904C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.765	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH27250905C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.765	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH27250907C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.765	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH27250909C	2.965	6.130	-1.180	6.220	6.135	0.000	1.200	1.775	0.885	4.185	2.770	7.735	7.915	3.320	2.155	3.045	5.045	4.945	1.955	9.235	3.185	6.355	1.785	1.085	6.035	4.905	1.915	9.435	6.735	9.165	1.015	6.415	0.005	0.005	4.765	1.775	
WH36250800A	8.765	1.885	-5.885	1.745	1.935	0.000	1.781	9.365	1.315	1.485	1.445	5.115	8.245	1.175	2.375	8.275	1.955	8.475	6.335	7.645	2.235	3.485	5.955	4.855	4.265	3.355	5.365	8.765	2.385	1.365	2.585	2.725	1.415	0.005	0.005	3.985	3.385
WH36250803A	1.445	3.415	-6.335	3.445	4.075	0.000	1.035	1.365	3.455	2.275	1.465	8.845	1.485	3.035	2.985	1.415	2.975	1.025	1.985	1.805	3.235	3.615	2.805	3.025	6.765	5.465	1.985	1.035	5.615	8.835	3.355	6.285	2.185	0.005	0.005	1.435	9.685
WH36250803C	1.015	4.435	-6.855	3.245	3.955	0.000	1.015	1.365	3.335	2.345	1.445	8.815	1.375	2.935	2.985	1.425	2.975	1.025	2.935	1.775	3.265	3.635	2.945	3.065	6.865	5.785	1.985	1.035	5.725	8.845	3.485	6.445	2.145	0.005	0.005	1.435	9.375
WH36250805A	3.765	1.685	-5.585	1.765	1.935	0.000	1.781	9.365	1.315	1.485	1.445	5.115	8.245	1.175	2.375	8.275	1.955	8.475	6.335	7.645	2.235	3.485	5.955	4.855	4.265	3.355	5.365	8.765	2.385	1.365	2.585	2.725	1.415	0.005	0.005	3.985	3.385
WH36250805C	1.185	2.155	-4.355	2.165	1.935	0.000	1.931	1.085	1.935	1.685	1.835	6.465	4.465	1.385	2.465	8.475	2.215	1.965	2.155	4.265	2.835	3.695	1.025	6.865	5.135	8.035	1.825	8.865	1.165	1.435	2.585	2.735	1.475	0.005	0.005	4.335	
WH36250849A	1.445	2.415	-6.135	3.445	4.075	0.000	1.035	1.365	3.455	2.275	1.465	8.845	1.485	3.035	2.985	1.415	2.975	1.025	1.985	1.805	3.235	3.615	2.805	3.025	6.765	5.465	1.985	1.035	5.725	8.845	3.485	6.445	2.145	0.005	0.005	1.435	9.685
WH36250849C	1.015	3.415	-6.855	3.245	3.955	0.000	1.015	1.365	3.335	2.345	1.445	8.815	1.375	2.935	2.985	1.425	2.975	1.025	2.935	1.775	3.265	3.635	2.945	3.065	6.865	5.785	1.985	1.035	5.725	8.845	3.485	6.445	2.145	0.005	0.005	1.435	9.375
WHT50600C	2.965	6.035	-1.185	6.245	6.035	0.000	1.260	1.825	0.945	3.935	6.865	1.365	7.715	1.165	3.765	1.185	3.025	5.765	4.595	1.975	6.885	3.165	6.715	1.715	1.055	6.265	4.935	1.875	8.205	7.035	6.075	8.715	6.885	0.005	0.005	2.835	1.825
WHT50603A	2.725	6.120	-1.181	6.240	6.035	0.000	1.260	1.765	0.755	3.775	6.865	1.345	7.615	1.165	3.765	1.185	3.025	5.765	4.595	1.975	7.735	3.215	6.885	1.585	1.055	6.325	4.935	1.885	7.865	7.035	6.735	8.715	6.905	0.005	1.025	1.825	
WHT50603B	2.725	6.120	-1.225	6.240	6.035	0.000	1.260	1.765	0.755	3.775	6.865	1.345	7.615	1.165	3.765	1.185	3.025	5.765	4.595	1.975	7.735	3.215	6.885	1.585	1.055	6.325	4.935	1.885	7.865	7.035	6.735	8.715	6.905	0.005	1.025	1.825	
WHT50603Q	2.935	6.035	-1.181	6.240	6.035	0.000	1.260	1.825	0.945	3.935	6.865	1.365	7.715	1.165	3.765	1.185	3.025	5.765	4.595	1.975	6.885	3.165	6.715	1.715	1.055	6.265	4.935	1.875	8.205	7.035	6.075	8.715	6.885	0.005	2.835	1.825	
WHT50604A	2.725	6.120	-1.181	6.240	6.035	0.000	1.260	1.765	0.755	3.775	6.865	1.345	7.615	1.165	3.765	1.185	3.025	5.7																			

	80262270	4.4524	2.7952	1.1457	2.7952	4.2224	0.0000	1.1351	1.0457	7.9452	8.7654	0.0000	1.1754	5.4452	1.0457	9.9544	1.1954	0.0000	0.0000	2.3454	2.5554	4.2554	0.0000	3.3554	3.7854	2.2554	2.0544	1.5454	0.0000	4.9554	9.9454	4.9554	2.4554	1.9454	0.0000	0.0000	0.0000	1.0544
	85341126	1.3154	2.9852	0.0000	2.9852	0.0000	0.0000	1.3552	7.7552	6.1452	8.7454	0.0000	0.0000	3.8354	7.0352	5.0054	0.0000	0.0000	0.0000	1.8354	7.2554	2.8554	0.0000	3.1554	1.0554	1.7554	5.1754	3.8554	0.0000	2.8554	8.1454	2.8554	2.8554	3.8554	0.0000	0.0000	0.0000	7.8554
	85341129	1.3154	2.9752	0.0000	2.9752	0.0000	0.0000	1.3552	7.7552	6.1452	8.7454	0.0000	0.0000	3.8354	7.0352	5.0054	0.0000	0.0000	0.0000	1.8354	7.2554	2.8554	0.0000	3.1554	1.0554	1.7554	5.1754	3.8554	0.0000	2.8554	8.1454	2.8554	2.8554	3.8554	0.0000	0.0000	0.0000	7.8554
	85341131	1.1654	1.7552	1.2554	1.8852	0.0000	0.0000	1.1051	1.9552	5.9452	5.5254	0.0000	1.9554	1.0952	1.2754	5.5454	0.0000	0.0000	0.0000	4.8554	6.2754	2.4154	0.0000	7.2254	4.4154	1.4554	6.1554	4.5554	0.0000	2.4154	2.0354	2.4154	4.5554	0.0000	0.0000	0.0000	2.0554	
	85341139	1.1654	1.7552	1.2554	1.8852	0.0000	0.0000	1.1051	1.9552	5.9452	5.5254	0.0000	1.9554	1.0952	1.2754	5.5454	0.0000	0.0000	0.0000	4.8554	6.2754	2.4154	0.0000	7.2254	4.4254	1.4754	6.1554	4.5554	0.0000	2.4154	2.0354	2.4154	4.5554	0.0000	0.0000	0.0000	2.0554	
	85341179	1.2654	2.0352	0.0000	2.0352	0.0000	0.0000	1.3252	7.8552	6.9552	8.9554	0.0000	0.0000	3.9554	8.9752	4.0054	0.0000	0.0000	0.0000	1.7954	7.9554	2.9254	0.0000	3.1554	1.9454	1.8554	5.0554	3.7554	0.0000	2.9254	7.9554	2.9254	2.9254	3.7554	0.0000	0.0000	0.0000	7.9754
	85341185	1.2654	2.0452	0.0000	2.0452	0.0000	0.0000	1.3452	7.8552	6.9552	8.9554	0.0000	0.0000	3.9554	8.9452	4.0154	0.0000	0.0000	0.0000	1.8054	7.9754	2.9354	0.0000	3.1554	1.9554	1.8554	5.0554	3.7554	0.0000	2.9354	7.9554	2.9354	3.7554	0.0000	0.0000	0.0000	7.7554	
	85341188	1.2654	2.0552	0.0000	2.0552	0.0000	0.0000	1.3552	7.8552	6.9552	8.9554	0.0000	0.0000	3.9554	8.9752	4.0054	0.0000	0.0000	0.0000	1.8154	7.9554	2.9354	0.0000	3.1554	1.9554	1.8554	5.0554	3.7554	0.0000	2.9354	7.9554	2.9354	3.7554	0.0000	0.0000	0.0000	7.7554	
	85341189	1.2654	2.0452	0.0000	2.0452	0.0000	0.0000	1.3452	7.8752	6.9752	8.9554	0.0000	0.0000	3.9554	8.9652	4.0054	0.0000	0.0000	0.0000	1.8154	7.9754	2.9354	0.0000	3.1554	1.9554	1.8554	5.0554	3.7554	0.0000	2.9354	7.9554	2.9354	3.7554	0.0000	0.0000	0.0000	7.7554	
	85341226	1.3554	2.0552	0.0000	2.0552	0.0000	0.0000	1.3752	7.8552	6.9752	8.9754	0.0000	0.0000	3.9554	7.1152	5.0054	0.0000	0.0000	0.0000	1.8554	7.3454	2.9254	0.0000	3.2754	1.9854	1.7354	5.2354	3.8554	0.0000	2.9254	8.2354	2.9254	2.9254	3.8554	0.0000	0.0000	0.0000	7.9454
	85341229	1.3554	2.0552	0.0000	2.0552	0.0000	0.0000	1.3752	7.8552	6.9752	8.9754	0.0000	0.0000	3.9554	7.1252	5.0154	0.0000	0.0000	0.0000	1.8554	7.3554	2.9254	0.0000	3.2754	1.9854	1.7354	5.2354	3.8554	0.0000	2.9254	8.2454	2.9254	2.9254	3.8554	0.0000	0.0000	0.0000	7.9554
	85341239	1.3554	2.0252	0.0000	2.0252	0.0000	0.0000	1.3552	7.9552	6.9252	8.9554	0.0000	0.0000	3.9554	7.6852	4.9254	0.0000	0.0000	0.0000	1.7554	7.1054	2.9254	0.0000	3.1554	1.9454	1.8554	5.0554	3.7554	0.0000	2.9254	7.9454	2.9254	2.9254	3.7554	0.0000	0.0000	0.0000	7.8554
	85341275	1.3554	2.1052	0.0000	2.1052	0.0000	0.0000	1.3852	7.8552	6.9452	8.9554	0.0000	0.0000	3.9554	7.1052	5.1454	0.0000	0.0000	0.0000	1.8554	7.3554	2.9354	0.0000	3.2754	1.9854	1.7354	5.2354	3.8554	0.0000	2.9354	8.2354	2.9354	2.9354	3.8554	0.0000	0.0000	0.0000	7.9554
	85341279	1.3554	2.1052	0.0000	2.1052	0.0000	0.0000	1.3852	7.8552	6.9452	8.9554	0.0000	0.0000	3.9554	7.1152	5.1254	0.0000	0.0000	0.0000	1.8554	7.3554	2.9354	0.0000	3.2754	1.9854	1.7354	5.2354	3.8554	0.0000	2.9354	8.2354	2.9354	2.9354	3.8554	0.0000	0.0000	0.0000	7.9554
	85341285	1.3554	2.0552	0.0000	2.0552	0.0000	0.0000	1.3552	7.7752	6.1252	8.7754	0.0000	0.0000	3.8254	7.0152	5.0254	0.0000	0.0000	0.0000	1.8254	7.2254	2.9754	0.0000	3.1554	1.9554	1.8554	5.1254	3.8454	0.0000	2.9754	8.1754	2.9754	2.9754	3.8454	0.0000	0.0000	0.0000	7.8254
	85341288	1.3154	2.0752	0.0000	2.0752	0.0000	0.0000	1.3552	7.7652	6.1452	8.7454	0.0000	0.0000	3.8354	7.0252	5.0454	0.0000	0.0000	0.0000	1.8354	7.2554	2.8554	0.0000	3.1554	1.9754	1.7554	5.1754	3.8554	0.0000	2.8554	8.1754	2.8554	2.8554	3.8554	0.0000	0.0000	0.0000	7.7654
	85341289	1.3154	2.0652	0.0000	2.0652	0.0000	0.0000	1.3552	7.7552	6.1452	8.7354	0.0000	0.0000	3.8354	7.0252	5.0454	0.0000	0.0000	0.0000	1.8354	7.2554	2.8554	0.0000	3.1554	1.9754	1.7554	5.1754	3.8554	0.0000	2.8554	8.1754	2.8554	2.8554	3.8554	0.0000	0.0000	0.0000	7.7654
	85342189	1.3554	2.0452	0.0000	2.0452	0.0000	0.0000	1.3452	7.8552	6.9452	8.9754	0.0000	0.0000	3.9554	7.1252	5.1454	0.0000	0.0000	0.0000	1.8554	7.3554	2.9354	0.0000	3.2754	1.9854	1.7354	5.2354	3.8554	0.0000	2.9354	8.2354	2.9354	2.9354	3.8554	0.0000	0.0000	0.0000	7.7554
	85342226	1.3554	2.1552	0.0000	2.1552	0.0000	0.0000	1.4552	8.0752	6.9452	8.9554	0.0000	0.0000	3.7554	7.2552	5.2254	0.0000	0.0000	0.0000	1.8554	7.3554	2.9254	0.0000	3.2754	1.9854	1.7354	5.2454	3.9554	0.0000	2.9254	8.4754	2.9254	2.9254	3.9554	0.0000	0.0000	0.0000	8.1754
	85342285	1.3154	2.0752	0.0000	2.0752	0.0000	0.0000	1.3552	7.7552	6.1452	8.7454	0.0000	0.0000	3.8454	7.0252	5.0454	0.0000	0.0000	0.0000	1.8354	7.2554	2.8554	0.0000	3.1554	1.9754	1.7554	5.1754	3.8554	0.0000	2.8554	8.1754	2.8554	2.8554	3.8554	0.0000	0.0000	0.0000	7.8554
	85342289	1.3154	2.0752	0.0000	2.0752	0.0000	0.0000	1.3552	7.7752	6.1552	8.7454	0.0000	0.0000	3.8454	7.0452	5.0454	0.0000	0.0000	0.0000	1.8354	7.2754	2.8554	0.0000	3.1554	1.9754	1.7554	5.1854	3.8554	0.0000	2.8554	8.1754	2.8554	2.8554	3.8554	0.0000	0.0000	0.0000	7.8554
	85345124	1.2654	1.9852	0.0000	1.9852	0.0000	0.0000	1.3452	7.7552	6.9552	8.9554	0.0000	0.0000	3.9554	8.2254	5.0554	0.0000	0.0000	0.0000	2.9554	6.4554	2.4754	0.0000	3.1554	1.9254	1.8554	5.0254	4.1854	0.0000	2.4754	1.1254	2.4754	4.1854	0.0000	0.0000	0.0000	1.9554	
	85345126	1.2654	1.9852	0.0000	2.0052	0.0000	0.0000	1.3452	7.7652	6.9452	8.9454	0.0000	0.0000	3.9254	7.9752	5.0254	0.0000	0.0000	0.0000	1.8254	6.9154	2.8754	0.0000	3.1554	1.9254	1.8554	5.1554	3.9254	0.0000	2.9754	8.1954	2.8754	2.8754	3.9254	0.0000	0.0000	0.0000	7.8454
	85345129	1.2654	1.9852	1.2554	1.8752	0.0000	0.0000	1.0751	1.8552	5.4752	6.2554	0.0000	1.9554	1.0952	1.2554	5.5454	0.0000	0.0000	0.0000	4.8554	6.4754	2.4554	0.0000	7.1554	1.9254	1.9554	6.2454	4.8554	0.0000	2.4554	1.9454	2.4554	4.8554	0.0000	0.0000	0.0000	1.9254	
	85345175	1.3754	2.1252	0.0000	2.1252	0.0000	0.0000	1.3652	7.8552	6.9552	7.9554	0.0000	0.0000	3.7554	7.1552	5.1254	0.0000	0.0000	0.0000	1.8554	7.6754	2.9454	0.0000	3.2254	1.9254	1.7754	5.2654	3.8554	0.0000	2.9454	8.2754	2.9454	2.9454	3.8554	0.0000	0.0000	0.0000	7.8554
	85345177	1.2654	1.9852	1.2554	1.8752	0.0000	0.0000	1.0751	1.8552	5.4752	6.2554	0.0000	1.9554	1.0952	1.2554	5.5454	0.0000	0.0000	0.0000	4.8554	6.4754	2.4554	0.0000	7.1554	1.9254	1.9554	6.2454	4.8554	0.0000	2.4554	1.9454	2.4554	4.8554	0.0000	0.0000	0.0000	1.9254	
	85345179	1.2654	1.9852	1.2554	1.8752	0.0000	0.0000	1.0751	1.8552	5.4752	6.2554	0.0000	1.9554	1.0952	1.2554	5.5454	0.0000	0.0000	0.0000	4.8554	6.4754	2.4554	0.0000	7.1554	1.9254	1.9554	6.2454	4.8554	0.0000	2.4554	1.9454	2.4554	4.8554	0.0000	0.0000	0.0000	1.9254	
	85345182	1.2654	1.9752	1.2554	1.8752	0.0000	0.0000	1.0751	1.8552	5.4552	6.2554	0.0000	1.9554	1.0452	1.2554	5.5454	0.0000	0.0000	0.0000	4.8554	6.4754	2.4554	0.0000	7.1554	1.9254	1.9554	6.2354	4.8554	0.0000	2.4554	1.9454	2.4554	4.8554	0.0000	0.0000	0.0000	1.9254	
	85345183	1.2654	1.9752	1.2554	1.8752	0.0000	0.0000	1.0751	1.8552	5.4752	6.2554	0.0000	1.9554	1.0952	1.2554	5.5454	0.0000	0.0000	0.0000	4.8554	6.4754	2.4554	0.0000	7.1554	1.9254	1.9554	6.2454	4.8554	0.0000	2.4554	1.9454	2.4554	4.8554	0.0000	0.0000	0.0000	1.9254	
	85345185	1.2654	1.9752	1.2554	1.8752	0.																																

Installation A5	WH36250849A	1.8854	3.4352	2.2750	3.4862	2.3864	0.0000	4.9112	1.8854	3.3855	1.0503	0.0000	2.9756	8.4261	1.5351	1.1154	1.1254	0.0000	0.0000	4.1858	1.3305	1.4745	0.0000	6.1361	1.4848	2.3554	9.4757	7.1554	0.0000	4.4745	1.7589	4.4745	4.5851	7.1554	0.0000	0.0000	0.0000	1.7254
	WH36250849C	1.8854	3.4352	2.2750	3.5082	2.3865	0.0000	4.9092	1.8854	3.3855	1.0503	0.0000	2.9759	8.4461	1.5351	1.1154	1.1254	0.0000	0.0000	4.1858	1.3402	1.4750	0.0000	6.1461	1.4950	2.3554	9.4757	7.0754	0.0000	4.4650	1.7590	4.4750	4.7451	7.0754	0.0000	0.0000	0.0000	1.7254
	WHT50600Q	1.1654	4.0952	6.5502	3.9852	3.0248	0.0000	4.7281	6.4055	3.4855	4.2754	0.0000	6.5155	3.1452	3.9951	5.8254	8.8505	0.0000	0.0000	1.4855	2.7103	1.1655	0.0000	2.1851	3.7103	1.2554	1.6855	1.3853	0.0000	1.5655	6.0855	5.1561	5.2351	1.3053	0.0000	0.0000	0.0000	1.1654
	WHT50603A	1.0354	4.0952	4.0752	3.8852	3.0354	0.0000	2.8851	4.3755	3.0355	3.7154	0.0000	3.9555	2.2352	3.9951	3.9454	7.7855	0.0000	0.0000	1.0355	2.6255	0.2255	0.0000	1.5051	3.8451	1.0154	1.5855	1.0855	1.2353	0.0000	5.2255	4.3355	5.2255	5.2451	1.2353	0.0000	0.0000	4.4854
	WHT50603B	1.0354	4.0952	4.0752	3.8852	3.0354	0.0000	2.8851	4.3755	3.0355	3.7154	0.0000	3.9555	2.2352	3.9951	3.9454	7.7855	0.0000	0.0000	1.0355	2.6255	0.2255	0.0000	1.5051	3.8451	1.0154	1.5855	1.0855	1.2353	0.0000	5.2255	4.3355	5.2255	5.2451	1.2353	0.0000	0.0000	4.4854
	WHT50603Q	1.1654	4.0952	6.5502	3.8952	3.0458	0.0000	4.7251	6.4055	3.4855	4.2754	0.0000	6.5155	3.1452	3.9951	5.8254	8.8505	0.0000	0.0000	1.4855	2.7155	1.1655	0.0000	2.1851	3.7151	1.2554	1.6855	1.3853	0.0000	5.1655	6.0855	5.1651	5.2351	1.3053	0.0000	0.0000	0.0000	1.1654
	WHT50604A	1.0354	4.0952	4.0752	3.8852	3.0358	0.0000	2.8851	4.3755	3.0355	3.7154	0.0000	3.9555	2.2352	3.9951	3.9454	7.7855	0.0000	0.0000	1.0355	2.6255	0.2255	0.0000	1.5051	3.8451	1.0154	1.5855	1.0855	1.2353	0.0000	5.2255	4.3355	5.2255	5.2451	1.2353	0.0000	0.0000	4.4854
	WHT50604B	1.0354	4.0952	4.0752	3.8852	3.0358	0.0000	2.8851	4.3755	3.0355	3.7154	0.0000	3.9555	2.2352	3.9951	3.9454	7.7855	0.0000	0.0000	1.0355	2.6255	0.2255	0.0000	1.5051	3.8451	1.0154	1.5855	1.0855	1.2353	0.0000	5.2255	4.3355	5.2255	5.2451	1.2353	0.0000	0.0000	4.4854
	WHT50604Q	1.4754	3.3352	6.2352	3.4552	2.5555	0.0000	4.6051	5.8555	3.3855	3.7454	0.0000	6.5155	3.0852	3.9951	5.8854	1.0755	0.0000	0.0000	1.3255	1.3255	4.5355	0.0000	1.8851	1.2155	1.8554	1.3855	1.0855	1.0353	0.0000	4.5355	5.5355	4.5351	4.5451	1.0855	0.0000	0.0000	5.5354
	WHT50605A	1.4754	3.3352	6.2352	3.4552	2.5555	0.0000	4.6051	5.8555	3.3855	3.7454	0.0000	6.5155	3.0852	3.9951	5.8854	1.0755	0.0000	0.0000	1.3255	1.3255	4.5355	0.0000	1.8851	1.2155	1.8554	1.3855	1.0855	1.0353	0.0000	4.5355	5.5355	4.5351	4.5451	1.0855	0.0000	0.0000	5.5354
	WHT50605B	1.0354	4.0952	4.0752	3.8852	3.0358	0.0000	2.8851	4.3755	3.0355	3.7154	0.0000	3.9555	2.2352	3.9951	3.9454	7.7855	0.0000	0.0000	1.0355	2.6255	0.2255	0.0000	1.5051	3.8451	1.0154	1.5855	1.0855	1.2353	0.0000	5.2255	4.3355	5.2255	5.2451	1.2353	0.0000	0.0000	4.4854
	WHT50605Q	1.4754	3.3352	6.2352	3.4552	2.5555	0.0000	4.6051	5.8555	3.3855	3.7454	0.0000	6.5155	3.0852	3.9951	5.8854	1.0755	0.0000	0.0000	1.3255	1.3255	4.5355	0.0000	1.8851	1.2155	1.8554	1.3855	1.0855	1.0353	0.0000	4.5355	5.5355	4.5351	4.5451	1.0855	0.0000	0.0000	5.5354
	WHT50607A	1.0354	4.0952	4.0752	3.8852	3.0354	0.0000	2.8851	4.3755	3.0355	3.7154	0.0000	3.9555	2.2352	3.9951	3.9454	7.7855	0.0000	0.0000	1.0355	2.6255	0.2255	0.0000	1.5051	3.8451	1.0154	1.5855	1.0855	1.2353	0.0000	5.2255	4.3355	5.2255	5.2451	1.2353	0.0000	0.0000	4.4854
	WHT50607B	1.0354	4.0952	4.0752	3.8852	3.0354	0.0000	2.8851	4.3755	3.0355	3.7154	0.0000	3.9555	2.2352	3.9951	3.9454	7.7855	0.0000	0.0000	1.0355	2.6255	0.2255	0.0000	1.5051	3.8451	1.0154	1.5855	1.0855	1.2353	0.0000	5.2255	4.3355	5.2255	5.2451	1.2353	0.0000	0.0000	4.4854
	WHT50607Q	1.4754	3.3352	6.2352	3.4552	2.5555	0.0000	4.6051	5.8555	3.3855	3.7454	0.0000	6.5155	3.0852	3.9951	5.8854	1.0755	0.0000	0.0000	1.3255	1.3255	4.5355	0.0000	1.8851	1.2155	1.8554	1.3855	1.0855	1.0353	0.0000	4.5355	5.5355	4.5351	4.5451	1.0855	0.0000	0.0000	5.5354
	WHT50609A	1.0354	4.0952	4.0752	3.8852	3.0358	0.0000	2.8851	4.3755	3.0355	3.7154	0.0000	3.9555	2.2352	3.9951	3.9454	7.7855	0.0000	0.0000	1.0355	2.6255	0.2255	0.0000	1.5051	3.8451	1.0154	1.5855	1.0855	1.2353	0.0000	5.2255	4.3355	5.2255	5.2451	1.2353	0.0000	0.0000	4.4854
	WHT50609B	1.2354	4.0952	3.8852	3.8752	3.0358	0.0000	2.7851	4.3755	3.0355	3.4354	0.0000	3.8455	2.2352	3.9951	3.5754	7.8855	0.0000	0.0000	1.0755	2.4555	0.1255	0.0000	1.4751	1.0154	1.0254	1.5355	1.0255	1.2353	0.0000	5.1255	4.4455	5.1255	5.1751	1.2353	0.0000	0.0000	4.2554
	WHT50609Q	1.4754	3.3352	6.2352	3.4552	2.5555	0.0000	4.6051	5.8555	3.3855	3.7454	0.0000	6.5155	3.0852	3.9951	5.8854	1.0755	0.0000	0.0000	1.3255	1.3255	4.5355	0.0000	1.8851	1.2155	1.8554	1.3855	1.0855	1.0353	0.0000	4.5355	5.5355	4.5351	4.5451	1.0855	0.0000	0.0000	5.5354
	WHT506E	1.2354	4.0952	3.8852	3.8752	3.0358	0.0000	1.8451	4.3755	3.3855	3.4354	0.0000	2.7851	2.3352	3.5351	3.7154	6.1255	0.0000	0.0000	9.2355	2.4455	0.1051	0.0000	1.4351	1.0154	1.0254	1.5355	1.0255	1.2353	0.0000	5.1051	4.5551	5.1051	5.1751	1.0255	0.0000	0.0000	4.2554
	WHT506F	1.2354	4.0952	3.8852	3.8752	3.0358	0.0000	1.8451	4.3755	3.3855	3.4354	0.0000	2.7851	2.3352	3.5351	3.7154	6.1255	0.0000	0.0000	9.2355	2.4455	0.1051	0.0000	1.4351	1.0154	1.0254	1.5355	1.0255	1.2353	0.0000	5.1051	4.5551	5.1051	5.1751	1.0255	0.0000	0.0000	4.2554
	WHTL50600C	1.0354	4.0952	6.5502	3.9852	3.0248	0.0000	4.4251	5.9455	2.6255	3.7154	0.0000	6.2555	3.0852	3.9951	5.4854	8.8455	0.0000	0.0000	1.3255	2.6255	1.1655	0.0000	1.9851	3.8451	1.0154	1.6355	1.2853	0.0000	1.5655	5.9355	5.1561	5.2351	1.2853	0.0000	0.0000	0.0000	1.5254
	WHTL50603C	1.0354	4.0952	6.5502	3.9852	3.0354	0.0000	4.4251	5.9455	2.6255	3.7154	0.0000	6.2555	3.0852	3.9951	5.4854	8.8455	0.0000	0.0000	1.3255	2.6255	1.1655	0.0000	1.9851	3.8451	1.0154	1.6355	1.2853	0.0000	5.1655	5.9355	5.1561	5.2351	1.2853	0.0000	0.0000	1.5254	
	WHTL50604C	1.0354	4.0952	6.5502	3.9852	3.0358	0.0000	4.4251	5.9455	2.6255	3.7154	0.0000	6.2555	3.0852	3.9951	5.4854	8.8455	0.0000	0.0000	1.3255	2.6255	1.1655	0.0000	1.9851	3.8451	1.0154	1.6355	1.2853	0.0000	5.1655	5.9355	5.1561	5.2351	1.2853	0.0000	0.0000	1.5254	
	WHTL50605C	1.0354	4.0952	6.5502	3.9852	3.0358	0.0000	4.4251	5.9455	2.6255	3.7154	0.0000	6.2555	3.0852	3.9951	5.4854	8.8455	0.0000	0.0000	1.3255	2.6255	1.1655	0.0000	1.9851	3.8451	1.0154	1.6355	1.2853	0.0000	5.1655	5.9355	5.1561	5.2351	1.2853	0.0000	0.0000	1.5254	
	WHTL50607C	1.0354	4.1652	7.0352	4.1552	3.1258	0.0000	5.2351	6.5855	2.4755	3.8154	0.0000	6.7355	3.3852	6.5751	6.1154	1.1854	0.0000	0.0000	1.5355	2.9355	1.1455	0.0000	2.1851	3.8451	1.0154	2.0855	1.6853	0.0000	5.1455	6.6755	6.1451	6.4851	1.6853	0.0000	0.0000	1.5854	
	WHTL50609C	1.0354	4.1652	7.0352	4.1552	3.1258	0.0000	5.2351	6.5855	2.4755	3.8154	0.0000	6.7355	3.3852	6.5751	6.1154	1.1854	0.0000	0.0000	1.5355	2.9355	1.1455	0.0000	2.1851	3.8451	1.0154	2.0855	1.6853	0.0000	5.1455	6.6755	6.1451	6.4851	1.6853	0.0000	0.0000	1.5854	
	WHTP50600C	1.0354	4.1652	7.0352	4.1552	3.1258	0.0000	5.2351	6.5855	2.4755	3.8154	0.0000	6.7355	3.3852	6.5751	6.1154	1.1854	0.0000	0.0000	1.5355	2.9355	1.1455	0.0000	2.1851	3.8451	1.0154	2.0855	1.6853	0.0000	5.1455	6.6755	6.1451	6.4851	1.6853	0.0000	0.0000	1.5854	
	WHTP50603C	1.0354	4.1652	7.0352	4.1552	3.1258	0.0000	5.2351	6.5855	2.4755	3.8154	0.0000	6.7355	3.3852	6.5751	6.1154	1.1854	0.0000	0.0000	1.5355	2.9355	1.1455	0.0000	2.1851	3.8451	1.0154	2.0855	1.6853	0.0000	5.1455	6.6755	6.1451	6.4851	1.6853	0.0000	0.0000	1.5854	
	WHTP50604C	1.0354	4.1652	7.0352	4.1552	3.1258	0.0000	5.2351	6.5855	2.4755	3.8154	0.0000	6.7355	3.3852	6.5751	6.1154	1.1854	0.0000	0.0000	1.5355	2.9355	1.1455	0.0000	2.1851	3.8451	1.0154	2.0855	1.6853	0.0000	5.1455	6.6755	6.1451	6.4851	1.6853	0.0000	0.0000	1.5854	
	WHTP50605C	1.0354	4.1652	7.0352	4.1552	3.1258	0.0000	5.2351	6.5855	2.4755	3.8154	0.0000	6.7355																									

	85346124	1.0254	5.8952	2.3152	3.4852	9.1451	0.0000	5.0651	4.7857	4.5852	3.9454	0.0000	1.2953	3.8153	1.1251	5.1753	1.0454	2.8753	8.7453	1.1854	1.3352	3.4253	0.0000	4.7351	6.0351	7.0253	1.9154	4.5552	0.0000	3.4251	1.4451	3.4253	3.8751	4.5952	0.0000	0.0000	0.0000	2.7853
	85346126	1.0254	5.8952	2.3152	3.4852	9.1451	0.0000	5.0651	4.7857	4.5852	3.9454	0.0000	1.2953	3.8153	1.1251	5.1753	1.0454	2.8753	8.7453	1.1854	1.3352	3.4253	0.0000	4.7351	6.0351	7.0253	1.9154	4.5552	0.0000	3.4251	1.4451	3.4253	3.8751	4.5952	0.0000	0.0000	0.0000	2.7853
	85346129	1.5354	5.8952	2.8852	5.2952	1.4851	0.0000	7.4451	7.1457	6.8852	4.5754	0.0000	1.9853	5.7753	1.8753	7.7853	1.0454	4.3753	1.4352	1.8354	1.3352	3.1353	0.0000	7.7751	9.1851	1.8854	2.8852	6.8852	0.0000	5.1351	4.4351	5.1353	5.8352	0.0000	0.0000	0.0000	4.1753	
	85346175	1.0254	5.8952	2.3152	3.4852	9.1451	0.0000	5.0651	4.7857	4.5852	3.9454	0.0000	1.2953	3.8153	1.1251	5.1753	1.0454	2.8753	8.7453	1.1854	1.3352	3.4253	0.0000	4.7351	6.0351	7.0253	1.9154	4.5552	0.0000	3.4251	1.4451	3.4253	3.8751	4.5952	0.0000	0.0000	0.0000	2.7853
	85346177	1.0254	5.8952	2.3152	3.4852	9.1451	0.0000	5.0651	4.7857	4.5852	3.9454	0.0000	1.2953	3.8153	1.1251	5.1753	1.0454	2.8753	8.7453	1.1854	1.3352	3.4253	0.0000	4.7351	6.0351	7.0253	1.9154	4.5552	0.0000	3.4251	1.4451	3.4253	3.8751	4.5952	0.0000	0.0000	0.0000	2.7853
	85346179	3.7753	1.7852	4.8253	1.3352	9.8152	0.0000	1.9351	1.8157	1.7852	1.1354	0.0000	3.8354	1.4853	4.4351	1.0353	3.8853	5.9154	5.7054	2.7552	5.7153	1.2853	0.0000	1.7851	2.2351	2.8353	6.8457	1.8852	0.0000	1.2851	4.7351	1.2853	1.4351	1.8852	0.0000	0.0000	0.0000	9.8854
	85346182	1.0254	5.8152	2.3352	3.4852	9.2151	0.0000	5.0351	4.7657	4.5852	3.9454	0.0000	1.2953	3.8153	1.1251	5.1753	1.0454	2.8853	8.8253	1.1854	1.3352	3.4253	0.0000	4.7351	6.0351	7.0353	1.9154	4.5552	0.0000	3.4251	1.4451	3.4253	3.8751	4.5952	0.0000	0.0000	0.0000	2.7853
	85346183	1.0254	5.8952	2.3152	3.4852	9.1451	0.0000	5.0651	4.7857	4.5852	3.9454	0.0000	1.2953	3.8153	1.1251	5.1753	1.0454	2.8753	8.7453	1.1854	1.3352	3.4253	0.0000	4.7351	6.0351	7.0253	1.9154	4.5552	0.0000	3.4251	1.4451	3.4253	3.8751	4.5952	0.0000	0.0000	0.0000	2.7853
	85346185	1.0254	5.8952	2.3152	3.4852	9.1451	0.0000	5.0651	4.7857	4.5852	3.9454	0.0000	1.2953	3.8153	1.1251	5.1753	1.0454	2.8753	8.7453	1.1854	1.3352	3.4253	0.0000	4.7351	6.0351	7.0253	1.9154	4.5552	0.0000	3.4251	1.4451	3.4253	3.8751	4.5952	0.0000	0.0000	0.0000	2.7853
	85346188	1.0254	5.8152	2.3352	3.4852	9.2151	0.0000	5.0351	4.7657	4.5852	3.9454	0.0000	1.2953	3.8153	1.1251	5.1753	1.0454	2.8853	8.8253	1.1854	1.3352	3.4253	0.0000	4.7351	6.0351	7.0353	1.9154	4.5552	0.0000	3.4251	1.4451	3.4253	3.8751	4.5952	0.0000	0.0000	0.0000	2.7853
	85346189	1.5454	5.8452	3.8852	5.2752	1.4351	0.0000	7.5351	7.1657	6.8952	4.5954	0.0000	1.9953	5.7753	1.8853	7.8353	1.0754	4.3653	1.4452	1.8454	1.3452	3.1453	0.0000	7.7751	9.1451	1.8954	2.9452	6.9752	0.0000	5.1851	4.4751	5.1451	5.8451	6.8752	0.0000	0.0000	0.0000	4.1853
	85385100	4.2254	1.8251	9.7852	1.8951	3.9851	0.0000	2.9754	1.9753	1.8954	1.2853	0.0000	5.3353	1.9853	4.6351	2.1453	3.7854	1.2653	3.7452	4.9754	5.3352	1.4254	0.0000	1.9853	2.9154	2.9154	7.9353	6.9352	0.0000	1.4253	8.8153	1.4254	1.6853	1.9851	0.0000	0.0000	0.0000	1.1353
	85385199	3.8254	2.6251	3.9252	1.0851	1.7451	0.0000	1.8554	1.4852	1.3554	0.0000	3.5953	1.2353	3.5553	1.0252	3.2853	3.8354	1.5152	2.9152	4.1653	1.8853	0.0000	1.9853	2.9154	2.9154	7.9353	6.9352	0.0000	1.4253	8.8153	1.4254	1.6853	1.9851	0.0000	0.0000	0.0000	1.1353	
	EE883	4.3254	2.4851	1.9151	1.4751	4.0851	0.0000	2.1653	2.0353	1.9354	1.2853	0.0000	5.5353	1.8353	4.6851	2.1852	4.3854	1.2253	3.0252	5.1354	5.4352	1.4453	0.0000	1.9852	2.9353	2.9754	8.0353	1.9351	0.0000	1.4452	1.0853	1.4453	1.6353	1.8351	0.0000	0.0000	0.0000	1.1753
	EE0503	3.3854	1.4851	2.8452	1.1851	0.0000	0.0000	1.8854	1.6353	1.5854	0.9754	0.0000	2.7353	1.2353	3.3351	1.7452	3.1254	0.9253	0.0000	2.1754	4.0853	1.1754	0.0000	1.5353	1.9453	2.7754	5.8353	1.4851	0.0000	1.1754	-1.4552	1.1754	1.2953	1.4851	0.0000	0.0000	0.0000	9.5853
	EED503KP3	3.8254	1.8251	8.7452	1.2451	2.3451	0.0000	1.8254	1.7153	1.6854	1.0853	0.0000	4.2453	1.3854	4.6851	1.8952	4.3754	0.9353	2.1152	3.9954	4.7752	1.2254	0.0000	1.8952	2.1853	2.9154	6.8754	6.9253	0.0000	1.2253	3.0753	1.2254	1.3853	1.8251	0.0000	0.0000	0.0000	9.9253
	EED503KP5	3.8254	1.7851	9.2452	1.2451	1.5951	0.0000	1.8254	1.7153	1.6854	1.0853	0.0000	3.3253	1.3853	4.1751	1.5952	3.9854	1.2352	3.0854	4.6853	1.2254	0.0000	1.8952	2.1854	2.9354	6.9254	6.9253	0.0000	1.2253	3.0753	1.2254	1.3853	1.8251	0.0000	0.0000	0.0000	9.9153	
	EED503W3	3.8254	1.6851	9.2452	1.2251	2.5351	0.0000	1.8154	1.7153	1.6854	1.0853	0.0000	4.2453	1.3854	4.6851	1.8952	3.7854	0.9353	2.1152	3.7954	4.7452	1.2254	0.0000	1.8952	2.1854	2.9354	6.9254	6.9253	0.0000	1.2253	3.0753	1.2254	1.3853	1.8251	0.0000	0.0000	0.0000	9.7853
	EED505	3.3854	1.4851	2.8852	1.1851	0.0000	0.0000	1.8854	1.6353	1.5854	0.9754	0.0000	2.8853	1.2353	3.3351	1.7452	3.1254	0.9253	0.0000	2.1754	4.0853	1.1754	0.0000	1.5353	1.9453	2.7754	5.8753	1.4851	0.0000	1.1754	-1.4552	1.1754	1.2953	1.4851	0.0000	0.0000	0.0000	9.1853
	EED513	4.7954	3.7751	2.2851	1.5151	1.1352	0.0000	2.1254	2.0753	1.9854	1.4453	0.0000	9.2153	1.8353	4.6351	2.1852	5.1854	1.2452	1.1751	1.0852	4.3453	1.5853	0.0000	2.2353	2.8154	2.8854	9.9352	2.8851	0.0000	1.5853	8.0353	1.5854	1.7754	2.0851	0.0000	0.0000	0.0000	1.3153
	EED515	4.8054	3.7751	2.2751	1.5151	1.1452	0.0000	2.1454	2.0753	1.9854	1.4453	0.0000	9.2353	1.8353	4.6751	2.1952	5.1854	1.2452	1.1751	1.0852	4.3453	1.5853	0.0000	2.2353	2.8254	2.8854	9.9754	2.8851	0.0000	1.5853	8.0353	1.5854	1.7754	2.0851	0.0000	0.0000	0.0000	1.3153
	EED518	4.5854	3.8151	2.1751	1.4451	1.0852	0.0000	2.0854	1.9754	1.9354	1.2853	0.0000	8.9353	1.5853	4.4751	2.0852	4.9854	1.1952	1.0851	9.9354	4.1452	1.5853	0.0000	2.1453	2.7854	3.1454	9.4854	2.9851	0.0000	1.5853	7.8853	1.5854	1.7754	2.0851	0.0000	0.0000	0.0000	1.2253
	EER501CH	2.8854	1.8851	1.1851	7.3352	7.3451	0.0000	1.2854	8.8952	9.7852	8.2854	0.0000	1.5852	8.8953	3.3851	1.3352	4.8854	5.9353	4.6452	4.2854	1.9452	8.8851	0.0000	1.3853	1.8853	1.8454	4.7353	1.9851	0.0000	8.9851	5.9353	8.9851	9.8351	1.9351	0.0000	0.0000	0.0000	6.8853
	EER501KP3	3.8254	1.8851	8.4852	1.2451	2.1851	0.0000	1.8254	1.7153	1.6854	1.0853	0.0000	4.1853	1.3853	4.6851	1.8952	3.8854	0.9154	1.9452	3.4854	4.7853	1.2254	0.0000	1.8952	2.1854	2.9154	6.8854	6.8253	0.0000	1.2253	1.7853	1.2254	1.3853	1.8251	0.0000	0.0000	0.0000	9.8853
	EER501W3	3.8254	1.8251	8.8352	1.2451	2.3851	0.0000	1.8254	1.7153	1.6854	1.0853	0.0000	4.2653	1.3854	4.8751	1.8952	3.7854	0.9353	2.1152	3.8254	4.7853	1.2254	0.0000	1.8952	2.1854	2.9154	6.8454	6.8253	0.0000	1.2253	3.0753	1.2254	1.3853	1.8251	0.0000	0.0000	0.0000	9.8851
	EER503KP3	3.8154	1.8751	8.2852	1.2451	2.9451	0.0000	1.8254	1.7153	1.6754	1.0853	0.0000	4.1253	1.3853	4.1851	1.8452	3.7854	0.9453	1.7853	3.3854	4.8852	1.2254	0.0000	1.8952	2.1854	2.9154	6.9353	6.8253	0.0000	1.2253	3.0353	1.2254	1.3853	1.8251	0.0000	0.0000	0.0000	9.8153
	EER503KP5	3.8154	1.7851	8.2852	1.2251	1.0000	0.0000	1.8154	1.6854	1.6754	1.0853	0.0000	3.7353	1.4854	4.1751	1.5852	3.9854	0.9453	1.7353	2.7854	4.8253	1.2154	0.0000	1.8952	2.1854	2.9154	6.9353	6.8253	0.0000	1.2253	3.0353	1.2254	1.3853	1.8251	0.0000	0.0000	0.0000	9.3853
	EER503W3	3.8254	1.8851	8.3752	1.2451	2.2351	0.0000	1.8254	1.7153	1.6854	1.0853	0.0000	4.2053	1.3854	4.8851	1.8952	3.7854	0.9453	1.8952	3.5254	4.7853	1.2254	0.0000	1.8952	2.1854	2.9154	6.8754	6.8253	0.0000	1.2253	3.0353	1.2254	1.3853	1.8251	0.0000	0.0000	0.0000	9.8852
	TC0510S	3.3854	2.8151	1.9851	1.0451	7.7451	0.0000	1.4754	1.4453	1.3854	0.9354	0.0000	5.8353	1.1853	1.1851	1.5852	3.4754	0.8353	7.8852	6.9854	3.8153	1.8853	0.0000	1.5353	1.9354	2.8854	6.8852	1.4851	0.0000	1.0853	5.4853	1.0854	1.2254	1.4851	0.0000	0.0000	0.0000	9.3853
	TC0520E	3.28																																				

[illegible]

Use B=87	WHTT50600C	4.3154	2.9651	1.0261	1.4701	4.5961	0.0000	2.0809	2.0809	1.9154	1.2803	0.0000	5.7250	1.5809	4.6951	2.1802	4.4054	1.2842	4.4602	4.4654	5.3652	1.4400	0.0000	1.9902	2.9604	2.9704	8.1904	1.9201	0.0000	1.4400	2.1205	1.4400	1.6300	1.9201	0.0000	0.0000	0.0000	1.1842
	WHTT50603C	4.3154	2.9651	1.0261	1.4701	4.5961	0.0000	2.0809	2.0809	1.9154	1.2803	0.0000	5.7250	1.5809	4.6951	2.1802	4.4054	1.2842	4.4602	4.4654	5.3652	1.4400	0.0000	1.9902	2.9604	2.9704	8.1904	1.9201	0.0000	1.4400	2.1205	1.4400	1.6300	1.9201	0.0000	0.0000	0.0000	1.1842
	WHTT50604C	4.3154	2.9651	1.0261	1.4701	4.5961	0.0000	2.0809	2.0809	1.9154	1.2803	0.0000	5.7250	1.5809	4.6951	2.1802	4.4054	1.2842	4.4602	4.4654	5.3652	1.4400	0.0000	1.9902	2.9604	2.9704	8.1904	1.9201	0.0000	1.4400	2.1205	1.4400	1.6300	1.9201	0.0000	0.0000	0.0000	1.1842
	WHTT50605C	4.3154	2.9651	1.0261	1.4701	4.5961	0.0000	2.0809	2.0809	1.9154	1.2803	0.0000	5.7250	1.5809	4.6951	2.1802	4.4054	1.2842	4.4602	4.4654	5.3652	1.4400	0.0000	1.9902	2.9604	2.9704	8.1904	1.9201	0.0000	1.4400	2.1205	1.4400	1.6300	1.9201	0.0000	0.0000	0.0000	1.1842
	WHTT50607C	3.8604	2.3101	9.4802	1.3801	3.8601	0.0000	1.9400	1.8800	1.7804	1.1800	0.0000	5.1502	1.4800	4.3301	2.0202	4.0804	1.1302	3.7202	4.0804	5.0102	1.3200	0.0000	1.8402	2.3604	2.7404	7.9000	1.7801	0.0000	1.3200	1.1700	1.3300	1.9100	1.7801	0.0000	0.0000	0.0000	1.0802
	WHTT50609C	3.8604	2.3101	9.4802	1.3801	3.8601	0.0000	1.9400	1.8800	1.7804	1.1800	0.0000	5.1502	1.4800	4.3301	2.0202	4.0804	1.1302	3.7202	4.0804	5.0102	1.3200	0.0000	1.8402	2.3604	2.7404	7.9000	1.7801	0.0000	1.3200	1.1700	1.3300	1.9100	1.7801	0.0000	0.0000	0.0000	1.0802
	WJC051B	2.7304	1.6101	6.8803	9.4802	2.7401	0.0000	1.9400	1.2800	1.2804	6.1804	0.0000	3.9360	1.0200	2.8801	1.3802	2.8804	7.8803	2.6702	3.3704	3.4402	9.1801	0.0000	1.2700	1.6304	1.8804	5.1800	1.2801	0.0000	9.1800	1.6300	9.1801	1.9400	1.2301	0.0000	0.0000	0.0000	7.4802
	WXF052	1.3104	5.9105	1.1102	4.6902	0.0000	0.0000	6.9100	6.9100	6.3500	3.9804	0.0000	1.1700	5.2000	6.1500	7.1400	1.2804	3.9403	6.0000	6.3500	1.9700	0.0000	6.1501	7.9801	6.2805	2.9600	6.0702	0.0000	4.9801	1.1200	4.5501	6.1801	6.0702	6.0702	0.0000	0.0000	0.0000	3.9803
	WXF054	1.9804	9.0105	1.3202	6.6902	0.0000	0.0000	6.2601	7.8801	7.3800	4.8904	0.0000	1.3360	6.2700	1.8301	8.4703	1.5204	4.8603	0.0000	9.8800	2.3302	5.4301	0.0000	7.2901	9.4401	1.1004	2.8900	7.2002	0.0000	8.4901	1.1200	5.4301	6.1201	7.2002	0.0000	0.0000	0.0000	4.2403
	WXT501	1.4604	6.0502	1.1802	5.3802	0.0000	0.0000	7.4201	7.1801	6.6500	2.2804	0.0000	1.2602	5.9900	1.6801	8.0203	1.3704	4.7802	6.1804	9.3000	2.2102	4.4901	0.0000	6.0201	6.6701	1.0804	2.9300	6.6202	0.0000	4.9901	1.2200	2.9301	5.6101	6.6202	0.0000	0.0000	0.0000	4.0203
	WXT505	1.4104	8.5405	5.3202	4.8202	1.4601	0.0000	8.8403	6.9201	6.2700	4.2104	0.0000	1.8602	5.2700	1.0301	7.1903	1.4404	4.0703	1.4302	1.7704	1.7802	4.7103	0.0000	6.5101	5.3701	6.7100	2.6800	6.2802	0.0000	4.7101	6.2901	4.7101	5.3401	6.2802	0.0000	0.0000	0.0000	3.9503
	WH36258000C	1.8402	3.2200	8.8802	3.1900	6.9000	0.0000	6.8400	8.4100	9.9902	3.2002	0.0000	1.4001	4.0001	9.6900	4.9900	6.8602	0.0000	0.0000	5.7500	5.4502	8.9700	8.9900	1.9900	1.3201	6.2901	1.2404	2.7100	0.0000	8.6700	1.1500	8.9700	1.6201	2.1200	0.0000	0.0000	0.0000	2.4500
	170106	7.8502	1.0000	1.0000	1.0000	0.0000	0.0000	2.6100	3.4600	6.5500	1.9101	0.0000	5.9901	1.8800	4.9100	2.1000	4.1201	0.0000	0.0000	2.7102	2.4400	3.7500	0.0000	6.9900	6.2402	2.9701	5.6704	5.9400	0.0000	3.7500	1.7800	3.7500	4.6900	9.4400	0.0000	0.0000	0.0000	1.1800
	75241003	3.9602	7.7202	0.0303	7.6400	0.0000	0.0000	1.3301	1.9001	4.7602	7.8703	0.0000	2.8401	9.9401	2.2601	1.0700	2.1301	0.0000	0.0000	1.3802	1.2400	1.9100	0.0000	3.5500	3.1101	1.5102	2.8804	4.4900	0.0000	1.9102	2.6300	1.9100	2.3802	4.8300	0.0000	0.0000	0.0000	5.8901
	75241004	3.9602	7.7202	0.0302	7.6400	0.0000	0.0000	1.3300	1.9000	4.7602	7.8702	0.0000	2.8401	9.9401	2.2601	1.0700	2.1301	0.0000	0.0000	1.3802	1.2400	1.9100	0.0000	3.5500	3.1101	1.5102	2.8804	4.4900	0.0000	1.9102	2.6300	1.9100	2.3802	4.8300	0.0000	0.0000	0.0000	5.8901
	75241005	3.9602	7.7202	0.0303	7.6400	0.0000	0.0000	1.3301	1.9001	4.7602	7.8703	0.0000	2.8401	9.9401	2.2601	1.0700	2.1301	0.0000	0.0000	1.3802	1.2400	1.9100	0.0000	3.5500	3.1101	1.5102	2.8804	4.4900	0.0000	1.9102	2.6300	1.9100	2.3802	4.8300	0.0000	0.0000	0.0000	5.8901
	80262160	2.2602	4.5700	2.9802	4.5200	0.0000	0.0000	6.7800	1.1600	2.0202	4.5402	0.0000	1.6901	5.7101	1.3600	6.5200	1.2401	0.0000	0.0000	8.7900	7.3701	1.1200	0.0000	2.7100	1.8800	6.9402	1.7104	2.8900	0.0000	1.1300	1.8700	1.1300	1.4102	2.8900	0.0000	0.0000	0.0000	3.4601
	80262161	2.2602	4.5700	2.9802	4.5200	0.0000	0.0000	6.7800	1.1600	2.0202	4.5402	0.0000	1.6901	5.7101	1.3600	6.5200	1.2401	0.0000	0.0000	8.7900	7.3701	1.1200	0.0000	2.7100	1.8800	6.9402	1.7104	2.8900	0.0000	1.1300	1.8700	1.1300	1.4102	2.8900	0.0000	0.0000	0.0000	3.4601
	80262170	5.9802	1.0601	2.2301	1.0401	0.0000	0.0000	1.9601	2.5400	6.9702	1.9401	0.0000	2.2301	1.7300	2.1100	1.3901	2.0201	0.0000	0.0000	1.8802	1.0900	2.5500	0.0000	4.5500	4.3501	2.9902	3.7704	5.9700	0.0000	2.5500	3.4400	2.9900	3.1402	5.9700	0.0000	0.0000	0.0000	8.0501
	80262260	2.2602	4.5700	2.9802	4.5200	0.0000	0.0000	6.7800	1.1600	2.0202	4.5402	0.0000	1.6901	5.7101	1.3600	6.5200	1.2401	0.0000	0.0000	8.7900	7.3701	1.1200	0.0000	2.7100	1.8800	6.9402	1.7104	2.8900	0.0000	1.1300	1.8700	1.1300	1.4102	2.8900	0.0000	0.0000	0.0000	3.4601
	80262261	2.2602	4.5700	2.9802	4.5200	0.0000	0.0000	6.7800	1.1600	2.0202	4.5402	0.0000	1.6901	5.7101	1.3600	6.5200	1.2401	0.0000	0.0000	8.7900	7.3701	1.1200	0.0000	2.7100	1.8800	6.9402	1.7104	2.8900	0.0000	1.1300	1.8700	1.1300	1.4102	2.8900	0.0000	0.0000	0.0000	3.4601
	80262270	1.0600	1.0600	2.2301	1.0400	0.0000	0.0000	1.9600	2.5400	6.9700	1.9400	0.0000	2.2300	1.7300	2.1100	1.3900	2.0200	0.0000	0.0000	1.8802	1.0900	2.5500	0.0000	4.5500	4.3501	2.9902	3.7704	5.9700	0.0000	2.5500	3.4400	2.9900	3.1402	5.9700	0.0000	0.0000	0.0000	8.0501
	85341126	4.7602	9.2800	1.7603	9.2900	0.0000	0.0000	1.7500	2.4400	5.7602	9.2602	0.0000	4.0601	1.1800	2.7800	1.3300	2.9801	0.0000	0.0000	1.6702	1.9800	2.3400	0.0000	4.4900	3.9201	1.6202	3.9904	6.1900	0.0000	2.3400	3.2800	2.3400	2.9902	6.1900	0.0000	0.0000	0.0000	7.1601
	85341129	4.7602	9.2800	1.7603	9.2900	0.0000	0.0000	1.7500	2.4400	5.7602	9.2602	0.0000	4.0601	1.1800	2.7800	1.3300	2.9801	0.0000	0.0000	1.6702	1.9800	2.3400	0.0000	4.4900	3.9201	1.6202	3.9904	6.1900	0.0000	2.3400	3.2800	2.3400	2.9902	6.1900	0.0000	0.0000	0.0000	7.1601
	85341131	1.6900	3.7500	2.4300	3.6802	0.0000	0.0000	6.4203	9.4400	2.3100	3.7100	0.0000	1.3704	4.6901	1.1101	9.1803	1.0104	0.0000	0.0000	6.6700	6.6104	9.2102	0.0000	1.7201	1.3301	7.2600	1.3601	2.3202	0.0000	9.2102	1.2700	9.2102	1.1901	2.3202	0.0000	0.0000	0.0000	2.8404
	85341139	1.6900	3.7500	2.4300	3.6802	0.0000	0.0000	6.4203	9.4400	2.3100	3.7100	0.0000	1.3704	4.6901	1.1101	9.1803	1.0104	0.0000	0.0000	6.6700	6.6104	9.2102	0.0000	1.7201	1.3301	7.2600	1.3601	2.3202	0.0000	9.2102	1.2700	9.2102	1.1901	2.3202	0.0000	0.0000	0.0000	2.8404
	85341179	4.7602	9.2800	1.7603	9.2900	0.0000	0.0000	1.7500	2.4400	5.7602	9.2602	0.0000	4.0601	1.1800	2.7800	1.3300	2.9801	0.0000	0.0000	1.6702	1.9800	2.3400	0.0000	4.4900	3.9201	1.6202	3.9904	6.1900	0.0000	2.3400	3.2800	2.3400	2.9902	6.1900	0.0000	0.0000	0.0000	7.1601
	85341185	4.7602	9.2800	1.7603	9.2900	0.0000	0.0000	1.7500	2.4400	5.7602	9.2602	0.0000	4.0601	1.1800	2.7800	1.3300	2.9801	0.0000	0.0000	1.6702	1.9800	2.3400	0.0000	4.4900	3.9201	1.6202	3.9904	6.1900	0.0000	2.3400	3.2800	2.3400	2.9902	6.1900	0.0000	0.0000	0.0000	7.1601
	85341188	4.7602	9.2800	1.7603	9.2900	0.0000	0.0000	1.7500	2.4400	5.7602	9.2602	0.0000	4.0601	1.1800	2.7800	1.3300	2.9801	0.0000	0.0000	1.6702	1.9800	2.3400	0.000															

	TRE501	1.190-1	2.300-1	1.930-1	2.280-1	0.900-0	0.000-0	3.970-1	5.930-0	1.430-2	2.280-1	0.000-0	8.490-1	2.880-0	6.890-0	3.180-1	6.260-1	0.000-0	0.000-0	4.120-2	3.710-0	6.880-0	0.000-0	1.060-1	9.470-1	4.500-2	8.670-0	1.430-2	0.000-0	6.890-0	7.890-0	5.980-0	1.720-2	1.430-2	0.000-0	0.000-0	0.000-0	1.760-0
	TRE502	2.510-0	4.880-1	3.160-0	4.880-2	0.900-0	0.000-0	8.360-2	1.230-1	3.980-0	4.820-0	0.000-0	1.790-0	6.090-1	1.440-1	8.700-2	1.320-1	0.000-0	0.000-0	8.670-0	7.810-0	1.200-0	0.000-0	2.230-1	1.990-0	9.480-0	1.810-0	3.020-1	0.000-0	1.200-0	1.680-0	1.200-0	1.580-0	3.030-1	0.000-0	0.000-0	0.000-0	3.780-0
	TRE521	1.190-1	2.300-1	1.930-1	2.280-1	0.900-0	0.000-0	3.970-1	5.930-0	1.430-2	2.280-1	0.000-0	8.490-1	2.880-0	6.890-0	3.180-1	6.260-1	0.000-0	0.000-0	4.120-2	3.710-0	6.880-0	0.000-0	1.060-1	9.470-1	4.500-2	8.670-0	1.430-2	0.000-0	6.890-0	7.890-0	5.980-0	1.720-2	1.430-2	0.000-0	0.000-0	0.000-0	1.760-0
	TRE700	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0	0.000-0		
	TRE720	1.190-1	2.300-1	1.930-1	2.280-1	0.900-0	0.000-0	3.970-1	5.930-0	1.430-2	2.280-1	0.000-0	8.490-1	2.880-0	6.890-0	3.180-1	6.260-1	0.000-0	0.000-0	4.120-2	3.710-0	6.880-0	0.000-0	1.060-1	9.470-1	4.500-2	8.670-0	1.430-2	0.000-0	6.890-0	7.890-0	5.980-0	1.720-2	1.430-2	0.000-0	0.000-0	0.000-0	1.760-0
	TXC513	4.170-2	7.970-0	1.760-1	7.790-0	0.900-0	0.000-0	1.160-1	1.910-0	4.880-1	7.820-2	0.000-0	2.200-1	9.890-1	2.330-0	1.040-1	2.110-1	0.000-0	0.000-0	1.470-2	1.280-0	1.910-0	0.000-0	3.470-0	3.260-1	1.590-2	2.890-0	4.470-1	0.000-0	1.910-2	2.380-0	1.910-0	2.380-2	4.470-1	0.000-0	0.000-0	0.000-0	6.940-1
	TXC515	4.170-2	7.970-0	1.760-1	7.790-0	0.900-0	0.000-0	1.160-1	1.910-0	4.880-1	7.820-2	0.000-0	2.200-1	9.890-1	2.330-0	1.040-1	2.110-1	0.000-0	0.000-0	1.470-2	1.280-0	1.910-0	0.000-0	3.470-0	3.260-1	1.590-2	2.890-0	4.470-1	0.000-0	1.910-2	2.380-0	1.910-0	2.380-2	4.470-1	0.000-0	0.000-0	0.000-0	6.940-1
	TXC518	4.170-2	7.970-0	1.760-1	7.790-0	0.900-0	0.000-0	1.160-1	1.910-0	4.880-1	7.820-2	0.000-0	2.200-1	9.890-1	2.330-0	1.040-1	2.110-1	0.000-0	0.000-0	1.470-2	1.280-0	1.910-0	0.000-0	3.470-0	3.260-1	1.590-2	2.890-0	4.470-1	0.000-0	1.910-2	2.380-0	1.910-0	2.380-2	4.470-1	0.000-0	0.000-0	0.000-0	6.940-1
	TXD501	3.960-2	6.990-0	1.280-2	6.930-0	0.900-0	0.000-0	1.310-1	1.830-0	4.340-0	6.970-2	0.000-0	3.050-1	8.740-1	2.060-0	9.980-0	1.630-1	0.000-0	0.000-0	1.260-2	1.170-0	1.750-0	0.000-0	3.370-0	2.870-1	1.360-2	2.690-0	4.940-1	0.000-0	1.790-2	2.460-0	1.790-0	2.230-2	4.940-1	0.000-0	0.000-0	0.000-0	5.520-1
	TXD501CH	4.170-2	7.970-0	1.760-1	7.790-0	0.900-0	0.000-0	1.160-1	1.910-0	4.880-1	7.820-2	0.000-0	2.200-1	9.890-1	2.330-0	1.040-1	2.110-1	0.000-0	0.000-0	1.470-2	1.280-0	1.910-0	0.000-0	3.470-0	3.260-1	1.590-2	2.890-0	4.470-1	0.000-0	1.910-2	2.380-0	1.910-0	2.380-2	4.470-1	0.000-0	0.000-0	0.000-0	6.940-1
	TXD503	3.960-2	6.990-0	1.280-2	6.930-0	0.900-0	0.000-0	1.310-1	1.830-0	4.340-0	6.970-2	0.000-0	3.050-1	8.740-1	2.060-0	9.980-0	1.630-1	0.000-0	0.000-0	1.260-2	1.170-0	1.750-0	0.000-0	3.370-0	2.870-1	1.360-2	2.690-0	4.940-1	0.000-0	1.790-2	2.460-0	1.790-0	2.230-2	4.940-1	0.000-0	0.000-0	0.000-0	5.520-1
	TXD505	3.960-2	6.990-0	1.280-2	6.930-0	0.900-0	0.000-0	1.310-1	1.830-0	4.340-0	6.970-2	0.000-0	3.050-1	8.740-1	2.060-0	9.980-0	1.630-1	0.000-0	0.000-0	1.260-2	1.170-0	1.750-0	0.000-0	3.370-0	2.870-1	1.360-2	2.690-0	4.940-1	0.000-0	1.790-2	2.460-0	1.790-0	2.230-2	4.940-1	0.000-0	0.000-0	0.000-0	5.520-1
	WE052	1.640-2	3.240-0	1.880-0	3.160-0	0.900-0	0.000-0	4.610-0	1.580-0	1.980-0	3.200-2	0.000-0	1.400-1	4.020-1	2.680-0	1.840-0	8.840-1	0.000-0	0.000-0	1.300-2	1.190-0	1.750-0	0.000-0	3.370-0	2.870-1	1.360-2	2.690-0	4.940-1	0.000-0	1.790-2	2.460-0	1.790-0	2.230-2	4.940-1	0.000-0	0.000-0	0.000-0	5.520-1
	WE052A	1.640-2	3.240-0	1.880-0	3.160-0	0.900-0	0.000-0	4.610-0	1.580-0	1.980-0	3.200-2	0.000-0	1.400-1	4.020-1	2.680-0	1.840-0	8.840-1	0.000-0	0.000-0	1.300-2	1.190-0	1.750-0	0.000-0	3.370-0	2.870-1	1.360-2	2.690-0	4.940-1	0.000-0	1.790-2	2.460-0	1.790-0	2.230-2	4.940-1	0.000-0	0.000-0	0.000-0	5.520-1
	WE053	1.640-2	3.240-0	1.880-0	3.160-0	0.900-0	0.000-0	4.610-0	1.580-0	1.980-0	3.200-2	0.000-0	1.400-1	4.020-1	2.680-0	1.840-0	8.840-1	0.000-0	0.000-0	1.300-2	1.190-0	1.750-0	0.000-0	3.370-0	2.870-1	1.360-2	2.690-0	4.940-1	0.000-0	1.790-2	2.460-0	1.790-0	2.230-2	4.940-1	0.000-0	0.000-0	0.000-0	5.520-1
	WE053A	1.640-2	3.240-0	1.880-0	3.160-0	0.900-0	0.000-0	4.610-0	1.580-0	1.980-0	3.200-2	0.000-0	1.400-1	4.020-1	2.680-0	1.840-0	8.840-1	0.000-0	0.000-0	1.300-2	1.190-0	1.750-0	0.000-0	3.370-0	2.870-1	1.360-2	2.690-0	4.940-1	0.000-0	1.790-2	2.460-0	1.790-0	2.230-2	4.940-1	0.000-0	0.000-0	0.000-0	5.520-1
	WE054	1.640-2	3.240-0	1.880-0	3.160-0	0.900-0	0.000-0	4.610-0	1.580-0	1.980-0	3.200-2	0.000-0	1.400-1	4.020-1	2.680-0	1.840-0	8.840-1	0.000-0	0.000-0	1.300-2	1.190-0	1.750-0	0.000-0	3.370-0	2.870-1	1.360-2	2.690-0	4.940-1	0.000-0	1.790-2	2.460-0	1.790-0	2.230-2	4.940-1	0.000-0	0.000-0	0.000-0	5.520-1
	WH102508E	1.900-0	3.780-0	2.430-0	3.690-0	0.900-0	0.000-0	4.420-0	9.440-0	2.310-0	3.710-0	0.000-0	1.370-0	4.690-1	1.110-1	5.190-0	1.010-0	0.000-0	0.000-0	6.970-0	6.010-0	9.210-0	0.000-0	1.720-1	1.930-1	7.260-0	1.360-1	2.300-2	0.000-0	9.210-0	1.270-0	9.210-0	1.190-1	2.330-2	0.000-0	0.000-0	0.000-0	2.840-0
	WH102508F	1.900-0	3.780-0	2.430-0	3.690-0	0.900-0	0.000-0	4.420-0	9.440-0	2.310-0	3.710-0	0.000-0	1.370-0	4.690-1	1.110-1	5.190-0	1.010-0	0.000-0	0.000-0	6.970-0	6.010-0	9.210-0	0.000-0	1.720-1	1.930-1	7.260-0	1.360-1	2.300-2	0.000-0	9.210-0	1.270-0	9.210-0	1.190-1	2.330-2	0.000-0	0.000-0	0.000-0	2.840-0
	WH102509E	1.900-0	3.780-0	2.430-0	3.690-0	0.900-0	0.000-0	4.420-0	9.440-0	2.310-0	3.710-0	0.000-0	1.370-0	4.690-1	1.110-1	5.190-0	1.010-0	0.000-0	0.000-0	6.970-0	6.010-0	9.210-0	0.000-0	1.720-1	1.930-1	7.260-0	1.360-1	2.300-2	0.000-0	9.210-0	1.270-0	9.210-0	1.190-1	2.330-2	0.000-0	0.000-0	0.000-0	2.840-0
	WH102509F	5.960-2	8.840-0	4.610-0	9.740-0	0.900-0	0.000-0	1.880-1	2.460-0	6.920-0	9.780-0	0.000-0	3.630-1	1.230-0	2.620-0	1.360-1	2.670-1	0.000-0	0.000-0	1.760-2	1.980-0	9.430-0	0.000-0	4.330-0	4.090-1	1.920-2	3.690-0	6.120-1	0.000-0	2.430-0	2.890-0	2.430-0	3.940-2	6.120-1	0.000-0	0.000-0	0.000-0	7.920-1
	WH11250800A	1.900-0	3.780-0	2.430-0	3.690-0	0.900-0	0.000-0	4.420-0	9.440-0	2.310-0	3.710-0	0.000-0	1.370-0	4.690-1	1.110-1	5.190-0	1.010-0	0.000-0	0.000-0	6.970-0	6.010-0	9.210-0	0.000-0	1.720-1	1.930-1	7.260-0	1.360-1	2.300-2	0.000-0	9.210-0	1.270-0	9.210-0	1.190-1	2.330-2	0.000-0	0.000-0	0.000-0	2.840-0
	WH11250800B	4.240-0	8.210-0	3.360-0	8.120-0	0.900-0	0.000-0	1.410-1	2.080-1	5.980-0	8.160-0	0.000-0	3.020-0	1.020-1	2.440-1	1.130-1	2.230-1	0.000-0	0.000-0	1.470-0	1.320-0	2.030-0	0.000-0	3.780-1	3.370-0	1.690-0	3.070-0	5.110-1	0.000-0	2.030-0	2.890-0	2.030-0	2.940-0	5.110-1	0.000-0	0.000-0	0.000-0	6.260-0
	WH11250800C	1.640-2	3.240-0	1.880-0	3.200-0	0.900-0	0.000-0	4.600-0	8.440-0	2.000-0	3.210-2	0.000-0	1.400-1	4.020-1	2.620-0	1.810-0	8.870-1	0.000-0	0.000-0	5.770-0	5.410-0	1.860-1	0.000-0	1.900-0	1.320-1	6.300-1	1.240-0	2.140-1	0.000-0	6.090-1	1.130-0	8.090-1	1.020-2	2.140-1	0.000-0	0.000-0	0.000-0	2.460-1
	WH11250900A	4.240-0	8.210-0	3.360-0	8.120-0	0.900-0	0.000-0	1.410-1	2.080-1	5.980-0	8.160-0	0.000-0	3.020-0	1.020-1	2.440-1	1.130-1	2.230-1	0.000-0	0.000-0	1.470-0	1.320-0	2.030-0	0.000-0	3.780-1	3.370-0	1.690-0	3.070-0	5.110-1	0.000-0	2.030-0	2.890-0	2.030-0	2.940-0	5.110-1	0.000-0	0.000-0	0.000-0	6.260-0
	WH11250900B	4.240-0	8.210-0	3.360-0	8.120-0	0.900-0	0.000-0	1.410-1	2.080-1	5.980-0	8.160-0	0.000-0	3.020-0	1.020-1	2.440-1	1.130-1	2.230-1	0.000-0	0.000-0	1.470-0	1.320-0	2.030-0	0.000-0	3.780-1	3.370-0	1.690-0	3.070-0	5.110-1	0.000-0	2.030-0	2.890-0	2.030-0	2.940-0	5.110-1	0.000-0	0.000-0	0.000-0	6.260-0
	WH11250900C	4.240-0	8.210-0	3.360-0	8.120-0	0.900-0	0.000-0	1.410-1	2.080-1	5.980-0	8.160-0	0.000-0	3.020-0	1.020-1	2.440-1	1.130-1	2.230-1	0.000-0	0.000-0	1.470-0	1.320-0	2.030-0	0.000-0	3.780-1	3.370-0	1.690-0	3.070-0	5.110										

End Of Life C1-C4	WH26250904C	4.0564	7.8352	5.1104	7.7562	0.0004	0.0000	1.3581	1.9857	4.8505	7.7854	0.0000	0.0000	2.8955	9.7862	2.3350	1.0861	2.1363	0.0000	0.0000	1.4854	1.2852	1.0200	0.0000	3.8161	3.2258	1.0354	2.9358	4.8761	0.0000	1.9300	2.6758	1.0300	2.4200	4.8761	0.0000	0.0000	0.0000	5.9750
	WH26250905C	4.0564	7.8352	5.1104	7.7562	0.0004	0.0000	1.3581	1.9857	4.8505	7.7854	0.0000	0.0000	2.8955	9.7862	2.3350	1.0861	2.1363	0.0000	0.0000	1.4854	1.2852	1.0200	0.0000	3.8161	3.2258	1.0354	2.9358	4.8761	0.0000	1.9300	2.6758	1.0300	2.4200	4.8761	0.0000	0.0000	0.0000	5.9750
	WH26250907C	4.0564	7.8352	5.1104	7.7562	0.0004	0.0000	1.3581	1.9857	4.8505	7.7854	0.0000	0.0000	2.8955	9.7862	2.3350	1.0861	2.1363	0.0000	0.0000	1.4854	1.2852	1.0200	0.0000	3.8161	3.2258	1.0354	2.9358	4.8761	0.0000	1.9300	2.6758	1.0300	2.4200	4.8761	0.0000	0.0000	0.0000	5.9750
	WH26250909C	4.0564	7.8352	5.1104	7.7562	0.0004	0.0000	1.3581	1.9857	4.8505	7.7854	0.0000	0.0000	2.8955	9.7862	2.3350	1.0861	2.1363	0.0000	0.0000	1.4854	1.2852	1.0200	0.0000	3.8161	3.2258	1.0354	2.9358	4.8761	0.0000	1.9300	2.6758	1.0300	2.4200	4.8761	0.0000	0.0000	0.0000	5.9750
	WH27250800C	1.9305	3.7358	2.4350	3.6863	0.0000	0.0000	6.4205	9.4450	2.3158	3.7158	0.0000	0.0000	1.3754	4.8863	1.1103	5.1103	1.0254	0.0000	0.0000	6.8758	6.8758	0.2158	0.0000	1.7251	1.5351	7.2658	1.3857	2.3262	0.0000	9.2158	1.2758	9.2158	1.1851	2.3262	0.0000	0.0000	0.0000	5.9750
	WH27250803C	1.9305	3.7358	2.4350	3.6863	0.0000	0.0000	6.4205	9.4450	2.3158	3.7158	0.0000	0.0000	1.3754	4.8863	1.1103	5.1103	1.0254	0.0000	0.0000	6.8758	6.8758	0.2158	0.0000	1.7251	1.5351	7.2658	1.3857	2.3262	0.0000	9.2158	1.2758	9.2158	1.1851	2.3262	0.0000	0.0000	0.0000	5.9750
	WH27250804C	4.0564	7.8352	5.1104	7.7562	0.0004	0.0000	1.3581	1.9857	4.8505	7.7854	0.0000	0.0000	2.8955	9.7862	2.3350	1.0861	2.1363	0.0000	0.0000	1.4854	1.2852	1.0200	0.0000	3.8161	3.2258	1.0354	2.9358	4.8761	0.0000	1.9300	2.6758	1.0300	2.4200	4.8761	0.0000	0.0000	0.0000	5.9750
	WH27250805C	1.9305	3.7358	2.4350	3.6863	0.0000	0.0000	6.4205	9.4450	2.3158	3.7158	0.0000	0.0000	1.3754	4.8863	1.1103	5.1103	1.0254	0.0000	0.0000	6.8758	6.8758	0.2158	0.0000	1.7251	1.5351	7.2658	1.3857	2.3262	0.0000	9.2158	1.2758	9.2158	1.1851	2.3262	0.0000	0.0000	0.0000	5.9750
	WH27250807C	4.0564	7.8352	5.1104	7.7562	0.0004	0.0000	1.3581	1.9857	4.8505	7.7854	0.0000	0.0000	2.8955	9.7862	2.3350	1.0861	2.1363	0.0000	0.0000	1.4854	1.2852	1.0200	0.0000	3.8161	3.2258	1.0354	2.9358	4.8761	0.0000	1.9300	2.6758	1.0300	2.4200	4.8761	0.0000	0.0000	0.0000	5.9750
	WH27250809C	4.0564	7.8352	5.1104	7.7562	0.0004	0.0000	1.3581	1.9857	4.8505	7.7854	0.0000	0.0000	2.8955	9.7862	2.3350	1.0861	2.1363	0.0000	0.0000	1.4854	1.2852	1.0200	0.0000	3.8161	3.2258	1.0354	2.9358	4.8761	0.0000	1.9300	2.6758	1.0300	2.4200	4.8761	0.0000	0.0000	0.0000	5.9750
	WH36250800A	1.9462	3.2609	5.8852	3.1840	0.0000	0.0000	6.0400	8.4158	1.9855	3.2052	0.0000	0.0000	1.4051	4.0251	9.6058	4.5800	8.8462	0.0000	0.0000	5.7502	5.4501	6.9701	0.0000	1.5508	1.3357	6.2853	1.2404	2.1261	0.0000	8.0701	1.1358	8.0701	1.0262	2.1261	0.0000	0.0000	0.0000	2.4501
	WH36250803A	5.0205	9.7850	6.3304	9.6062	0.0000	0.0000	6.0761	2.4657	6.0355	9.6454	0.0000	0.0000	3.5752	1.2751	2.8851	1.3461	2.9402	0.0000	0.0000	1.7354	1.5852	2.4500	0.0000	1.4358	1.2758	6.0554	3.6258	6.0551	0.0000	2.4500	3.3158	2.4500	3.0000	6.0351	0.0000	0.0000	0.0000	5.9750
	WH36250803C	5.0205	9.7850	6.3304	9.6062	0.0000	0.0000	6.0761	2.4657	6.0355	9.6454	0.0000	0.0000	3.5752	1.2751	2.8851	1.3461	2.9402	0.0000	0.0000	1.7354	1.5852	2.4500	0.0000	1.4358	1.2758	6.0554	3.6258	6.0551	0.0000	2.4500	3.3158	2.4500	3.0000	6.0351	0.0000	0.0000	0.0000	5.9750
	WH36250805A	1.9462	3.2609	5.8852	3.1840	0.0000	0.0000	6.0400	8.4158	1.9855	3.2052	0.0000	0.0000	1.4051	4.0251	9.6058	4.5800	8.8462	0.0000	0.0000	5.7502	5.4501	6.9701	0.0000	1.5508	1.3357	6.2853	1.2404	2.1261	0.0000	8.0701	1.1358	8.0701	1.0262	2.1261	0.0000	0.0000	0.0000	2.4501
	WH36250805C	1.9462	3.2609	5.8852	3.1840	0.0000	0.0000	6.0400	8.4158	1.9855	3.2052	0.0000	0.0000	1.4051	4.0251	9.6058	4.5800	8.8462	0.0000	0.0000	5.7502	5.4501	6.9701	0.0000	1.5508	1.3357	6.2853	1.2404	2.1261	0.0000	8.0701	1.1358	8.0701	1.0262	2.1261	0.0000	0.0000	0.0000	2.4501
	WH36250849A	5.0205	9.7850	6.3304	9.6062	0.0000	0.0000	6.0761	2.4657	6.0355	9.6454	0.0000	0.0000	3.5752	1.2751	2.8851	1.3461	2.9402	0.0000	0.0000	1.7354	1.5852	2.4500	0.0000	1.4358	1.2758	6.0554	3.6258	6.0551	0.0000	2.4500	3.3158	2.4500	3.0000	6.0351	0.0000	0.0000	0.0000	5.9750
	WH36250849C	5.0205	9.7850	6.3304	9.6062	0.0000	0.0000	6.0761	2.4657	6.0355	9.6454	0.0000	0.0000	3.5752	1.2751	2.8851	1.3461	2.9402	0.0000	0.0000	1.7354	1.5852	2.4500	0.0000	1.4358	1.2758	6.0554	3.6258	6.0551	0.0000	2.4500	3.3158	2.4500	3.0000	6.0351	0.0000	0.0000	0.0000	5.9750
	WHT50600Q	5.7565	1.1258	7.2385	1.1162	0.0000	0.0000	1.9382	2.8358	6.8358	1.1154	0.0000	0.0000	4.1254	1.4652	3.3351	1.5582	3.9454	0.0000	0.0000	2.9355	1.9355	2.7851	0.0000	5.1151	4.6851	2.1855	4.1857	6.9652	0.0000	2.7651	3.6258	2.7651	3.4651	6.9652	0.0000	0.0000	0.0000	8.5354
	WHT50603A	1.6855	3.1851	2.0351	3.0851	0.0000	0.0000	5.3351	7.8351	1.9354	3.0851	0.0000	0.0000	1.1452	3.8751	9.2351	4.2351	8.4152	0.0000	0.0000	5.5354	4.9355	7.8351	0.0000	1.4358	1.2758	6.0554	1.1851	1.9358	0.0000	7.6558	1.0657	7.6558	9.5758	1.9358	0.0000	0.0000	0.0000	2.3652
	WHT50603B	5.7565	1.1258	7.2385	1.1162	0.0000	0.0000	1.9382	2.8358	6.8358	1.1154	0.0000	0.0000	4.1254	1.4652	3.3351	1.5582	3.9454	0.0000	0.0000	2.9355	1.9355	2.7851	0.0000	5.1151	4.6851	2.1855	4.1857	6.9652	0.0000	2.7651	3.6258	2.7651	3.4651	6.9652	0.0000	0.0000	0.0000	8.5354
WHT50603Q	1.6855	3.1851	2.0351	3.0851	0.0000	0.0000	5.3351	7.8351	1.9354	3.0851	0.0000	0.0000	1.1452	3.8751	9.2351	4.2351	8.4152	0.0000	0.0000	5.5354	4.9355	7.8351	0.0000	1.4358	1.2758	6.0554	1.1851	1.9358	0.0000	7.6558	1.0657	7.6558	9.5758	1.9358	0.0000	0.0000	0.0000	2.3652	
WHT50604A	1.6855	3.1851	2.0351	3.0851	0.0000	0.0000	5.3351	7.8351	1.9354	3.0851	0.0000	0.0000	1.1452	3.8751	9.2351	4.2351	8.4152	0.0000	0.0000	5.5354	4.9355	7.8351	0.0000	1.4358	1.2758	6.0554	1.1851	1.9358	0.0000	7.6558	1.0657	7.6558	9.5758	1.9358	0.0000	0.0000	0.0000	2.3652	
WHT50604B	5.7565	1.1258	7.2385	1.1162	0.0000	0.0000	1.9382	2.8358	6.8358	1.1154	0.0000	0.0000	4.1254	1.4652	3.3351	1.5582	3.9454	0.0000	0.0000	2.9355	1.9355	2.7851	0.0000	5.1151	4.6851	2.1855	4.1857	6.9652	0.0000	2.7651	3.6258	2.7651	3.4651	6.9652	0.0000	0.0000	0.0000	8.5354	
WHT50604Q	1.6855	3.1851	2.0351	3.0851	0.0000	0.0000	5.3351	7.8351	1.9354	3.0851	0.0000	0.0000	1.1452	3.8751	9.2351	4.2351	8.4152	0.0000	0.0000	5.5354	4.9355	7.8351	0.0000	1.4358	1.2758	6.0554	1.1851	1.9358	0.0000	7.6558	1.0657	7.6558	9.5758	1.9358	0.0000	0.0000	0.0000	2.3652	
WHT50605A	5.7565	1.1258	7.2385	1.1162	0.0000	0.0000	1.9382	2.8358	6.8358	1.1154	0.0000	0.0000	4.1254	1.4652	3.3351	1.5582	3.9454	0.0000	0.0000	2.9355	1.9355	2.7851	0.0000	5.1151	4.6851	2.1855	4.1857	6.9652	0.0000	2.7651	3.6258	2.7651	3.4651	6.9652	0.0000	0.0000	0.0000	8.5354	
WHT50605B	5.7565	1.1258	7.2385	1.1162	0.0000	0.0000	1.9382	2.8358	6.8358	1.1154	0.0000	0.0000	4.1254	1.4652	3.3351	1.5582	3.9454	0.0000	0.0000	2.9355	1.9355	2.7851	0.0000	5.1151	4.6851	2.1855	4.1857	6.9652	0.0000	2.7651	3.6258	2.7651	3.4651	6.9652	0.0000	0.0000	0.0000	8.5354	
WHT50605Q	5.7565	1.1258	7.2385	1.1162	0.0000	0.0000	1.9382	2.8358	6.8358	1.1154	0.0000	0.0000	4.1254	1.4652	3.3351	1.5582	3.9454	0.0000	0.0000	2.9355	1.9355	2.7851	0.0000	5.1151	4.6851	2.1855	4.1857	6.9652	0.0000	2.7651	3.6258	2.7651	3.4651	6.9652	0.0000	0.0000	0.0000	8.5354	
WHT50607A	5.7565	1.1258	7.2385	1.1162	0.0000	0.0000	1.9382	2.8358	6.8358	1.1154	0.0000	0.0000	4.1254	1.4652	3.3351	1.5582	3.9454	0.0000	0.0000	2.9355	1.9355	2.7851	0.0000	5.1151	4.6851	2.1855	4.1857	6.9652	0.0000	2.7651	3.6258	2.7651	3.4651	6.9652	0.0000	0.0000	0.0000	8.5354	
WHT50607B	1.6855	3.1851	2.0351	3.0851	0.0000	0.0000	5.3351	7.8351	1.9354	3.0851	0.0000	0.0000	1																										

	85341239	8.146E-05	5.595E-02	4.335E-01	5.129E-02	0.00E+00	0.00E+00	9.445E-01	3.905E-02	2.285E-02	2.225E-01	0.00E+00	1.050E-02	8.865E-01	1.215E-01	6.455E-04	2.275E-02	3.165E-04	0.00E+00	6.425E-02	8.745E-01	1.235E-01	0.00E+00	1.595E-02	7.505E-01	5.985E-01	1.735E-01	9.675E-02	0.00E+00	1.035E-01	2.625E-01	1.335E-01	2.235E-01	9.475E-01	0.00E+00	0.00E+00	0.00E+00	1.595E-02
	85341275	1.215E-04	7.485E-02	5.845E-01	6.845E-02	0.00E+00	0.00E+00	1.025E-01	4.545E-02	3.165E-02	3.515E-04	0.00E+00	1.115E-02	9.285E-01	1.345E-01	9.35E-04	3.365E-02	3.165E-04	0.00E+00	7.525E-02	8.655E-01	7.725E-01	0.00E+00	2.255E-01	1.165E-01	9.175E-01	2.255E-01	1.365E-02	0.00E+00	2.725E-01	3.615E-01	2.725E-01	2.885E-01	1.336E-02	0.00E+00	0.00E+00	0.00E+00	2.745E-02
	85341279	1.215E-04	7.485E-02	5.845E-01	6.845E-02	0.00E+00	0.00E+00	1.025E-01	4.545E-02	3.165E-02	3.515E-04	0.00E+00	1.115E-02	9.285E-01	1.345E-01	9.35E-04	3.365E-02	3.165E-04	0.00E+00	7.525E-02	8.655E-01	7.725E-01	0.00E+00	2.255E-01	1.165E-01	9.175E-01	2.255E-01	1.365E-02	0.00E+00	2.725E-01	3.615E-01	2.725E-01	2.885E-01	1.336E-02	0.00E+00	0.00E+00	0.00E+00	2.745E-02
	85341285	1.435E-04	7.235E-01	1.425E-01	7.055E-02	0.00E+00	0.00E+00	1.945E-01	4.875E-02	3.585E-01	3.915E-04	0.00E+00	1.175E-02	9.285E-01	1.355E-01	1.535E-02	4.285E-02	1.515E-01	0.00E+00	9.435E-02	1.375E-01	1.055E-04	0.00E+00	2.245E-01	1.375E-01	1.055E-04	4.885E-02	1.455E-02	0.00E+00	3.535E-01	1.265E-01	1.535E-01	1.785E-01	1.885E-02	0.00E+00	0.00E+00	0.00E+00	3.265E-02
	85341288	1.225E-04	7.245E-02	4.395E-01	6.885E-02	0.00E+00	0.00E+00	1.035E-01	4.685E-02	3.165E-02	3.595E-04	0.00E+00	1.135E-02	9.285E-01	1.335E-01	9.515E-04	3.445E-02	3.165E-04	0.00E+00	7.715E-02	8.485E-01	7.795E-01	0.00E+00	2.315E-01	1.135E-01	9.215E-01	1.885E-02	1.435E-02	0.00E+00	2.795E-01	3.845E-01	2.795E-01	2.945E-01	1.435E-02	0.00E+00	0.00E+00	0.00E+00	2.745E-02
	85341289	1.225E-04	7.245E-02	4.395E-01	6.885E-02	0.00E+00	0.00E+00	1.035E-01	4.685E-02	3.165E-02	3.595E-04	0.00E+00	1.135E-02	9.285E-01	1.335E-01	9.515E-04	3.445E-02	3.165E-04	0.00E+00	7.715E-02	8.485E-01	7.795E-01	0.00E+00	2.315E-01	1.135E-01	9.215E-01	1.885E-02	1.435E-02	0.00E+00	2.795E-01	3.845E-01	2.795E-01	2.945E-01	1.435E-02	0.00E+00	0.00E+00	0.00E+00	2.745E-02
	85342189	1.225E-04	6.985E-02	4.185E-01	6.545E-02	0.00E+00	0.00E+00	9.835E-01	4.415E-02	3.145E-02	3.465E-04	0.00E+00	1.035E-02	8.835E-01	1.255E-01	9.435E-04	3.445E-02	3.165E-04	0.00E+00	7.735E-02	8.185E-01	7.795E-01	0.00E+00	2.315E-01	1.135E-01	9.135E-01	1.835E-02	1.435E-02	0.00E+00	2.795E-01	3.845E-01	2.795E-01	2.935E-01	1.435E-02	0.00E+00	0.00E+00	0.00E+00	2.745E-02
	85342226	1.475E-04	7.235E-01	1.315E-01	7.175E-02	0.00E+00	0.00E+00	1.945E-01	4.875E-02	3.585E-01	4.015E-04	0.00E+00	1.175E-02	9.285E-01	1.355E-01	1.535E-02	4.285E-02	1.515E-01	0.00E+00	9.435E-02	1.375E-01	1.055E-04	0.00E+00	2.245E-01	1.375E-01	1.055E-04	4.885E-02	1.455E-02	0.00E+00	3.535E-01	1.265E-01	1.535E-01	1.785E-01	1.885E-02	0.00E+00	0.00E+00	0.00E+00	3.265E-02
	85342285	1.435E-04	7.215E-01	1.285E-01	7.085E-02	0.00E+00	0.00E+00	1.945E-01	4.875E-02	3.585E-01	3.915E-04	0.00E+00	1.175E-02	9.285E-01	1.355E-01	1.535E-02	4.285E-02	1.515E-01	0.00E+00	9.435E-02	1.375E-01	1.055E-04	0.00E+00	2.245E-01	1.375E-01	1.055E-04	4.885E-02	1.455E-02	0.00E+00	3.535E-01	1.265E-01	1.535E-01	1.785E-01	1.885E-02	0.00E+00	0.00E+00	0.00E+00	3.265E-02
	85342289	1.225E-04	7.225E-02	4.215E-01	6.775E-02	0.00E+00	0.00E+00	1.025E-01	4.635E-02	3.165E-02	3.585E-04	0.00E+00	1.135E-02	9.285E-01	1.335E-01	9.515E-04	3.445E-02	3.165E-04	0.00E+00	7.735E-02	8.235E-01	7.795E-01	0.00E+00	2.335E-01	1.135E-01	9.235E-01	1.835E-02	1.435E-02	0.00E+00	2.795E-01	3.845E-01	2.795E-01	2.945E-01	1.435E-02	0.00E+00	0.00E+00	0.00E+00	2.745E-02
	85345124	2.035E-04	9.235E-02	2.835E-01	7.475E-02	1.00E-01	0.00E+00	1.015E-01	6.845E-02	3.925E-01	3.995E-04	0.00E+00	1.145E-02	8.335E-01	1.315E-01	1.735E-02	5.775E-02	3.165E-04	0.00E+00	1.345E-01	3.385E-01	8.695E-01	0.00E+00	4.135E-01	1.975E-01	1.375E-01	7.715E-01	2.485E-02	0.00E+00	5.695E-01	1.475E-01	5.695E-01	5.715E-01	2.485E-02	0.00E+00	0.00E+00	0.00E+00	5.155E-02
	85345126	1.885E-04	9.235E-02	2.835E-01	7.485E-02	1.00E-01	0.00E+00	1.015E-01	6.845E-02	3.925E-01	4.135E-04	0.00E+00	1.115E-02	8.775E-01	1.295E-01	1.535E-02	5.885E-02	3.165E-04	0.00E+00	1.165E-01	3.535E-01	3.985E-01	0.00E+00	3.965E-01	1.975E-01	1.175E-01	8.935E-01	2.195E-02	0.00E+00	3.985E-01	1.375E-01	5.695E-01	4.135E-01	2.195E-02	0.00E+00	0.00E+00	0.00E+00	4.225E-02
	85345129	1.885E-04	9.235E-02	2.835E-01	7.485E-02	1.00E-01	0.00E+00	1.015E-01	6.845E-02	3.925E-01	3.945E-04	0.00E+00	1.115E-02	8.775E-01	1.295E-01	1.535E-02	5.885E-02	3.165E-04	0.00E+00	1.165E-01	3.535E-01	3.985E-01	0.00E+00	3.965E-01	1.975E-01	1.175E-01	8.935E-01	2.195E-02	0.00E+00	3.985E-01	1.375E-01	5.695E-01	4.135E-01	2.195E-02	0.00E+00	0.00E+00	0.00E+00	4.225E-02
	85345175	1.245E-04	7.225E-02	5.845E-01	6.735E-02	1.00E-01	0.00E+00	9.935E-01	4.555E-02	3.165E-02	3.465E-04	0.00E+00	1.065E-02	8.815E-01	1.325E-01	1.055E-02	3.385E-02	3.165E-04	0.00E+00	7.875E-02	7.435E-01	7.795E-01	0.00E+00	2.275E-01	1.165E-01	9.185E-01	2.185E-02	1.415E-02	0.00E+00	2.735E-01	4.015E-01	2.735E-01	2.885E-01	1.415E-02	0.00E+00	0.00E+00	0.00E+00	2.785E-02
	85345177	1.885E-04	9.215E-02	2.845E-01	7.175E-02	1.00E-01	0.00E+00	9.845E-01	4.435E-02	3.225E-01	3.945E-04	0.00E+00	1.115E-02	8.485E-01	1.295E-01	1.495E-02	5.125E-02	3.165E-04	0.00E+00	1.225E-01	3.745E-01	4.825E-01	0.00E+00	3.745E-01	1.735E-01	1.275E-01	2.215E-02	2.385E-02	0.00E+00	4.935E-01	8.735E-01	4.935E-01	4.935E-01	2.385E-02	0.00E+00	0.00E+00	0.00E+00	4.815E-02
	85345179	1.885E-04	9.215E-02	2.845E-01	7.185E-02	1.00E-01	0.00E+00	9.835E-01	4.415E-02	3.225E-01	3.935E-04	0.00E+00	1.115E-02	8.525E-01	1.295E-01	1.495E-02	5.145E-02	3.165E-04	0.00E+00	1.225E-01	3.745E-01	4.825E-01	0.00E+00	3.745E-01	1.735E-01	1.275E-01	2.185E-02	2.385E-02	0.00E+00	4.935E-01	8.735E-01	4.935E-01	4.935E-01	2.395E-02	0.00E+00	0.00E+00	0.00E+00	4.815E-02
	85345182	1.875E-04	9.215E-02	2.845E-01	7.175E-02	1.00E-01	0.00E+00	9.845E-01	4.425E-02	3.225E-01	3.935E-04	0.00E+00	1.115E-02	8.525E-01	1.295E-01	1.495E-02	5.145E-02	3.165E-04	0.00E+00	1.225E-01	3.745E-01	4.825E-01	0.00E+00	3.745E-01	1.735E-01	1.275E-01	2.185E-02	2.425E-02	0.00E+00	4.935E-01	8.735E-01	4.935E-01	4.935E-01	2.425E-02	0.00E+00	0.00E+00	0.00E+00	4.845E-02
	85345183	1.875E-04	9.185E-02	2.845E-01	7.185E-02	1.00E-01	0.00E+00	9.835E-01	4.425E-02	3.225E-01	3.945E-04	0.00E+00	1.115E-02	8.475E-01	1.295E-01	1.495E-02	5.145E-02	3.165E-04	0.00E+00	1.225E-01	3.715E-01	4.825E-01	0.00E+00	3.735E-01	1.745E-01	1.285E-01	1.845E-02	2.425E-02	0.00E+00	4.935E-01	8.695E-01	4.935E-01	4.935E-01	2.425E-02	0.00E+00	0.00E+00	0.00E+00	4.845E-02
	85345185	2.015E-04	9.195E-02	2.835E-01	7.445E-02	1.00E-01	0.00E+00	1.005E-01	6.825E-02	3.915E-01	3.955E-04	0.00E+00	1.105E-02	8.475E-01	1.315E-01	1.735E-02	5.725E-02	3.165E-04	0.00E+00	1.335E-01	3.375E-01	5.555E-01	0.00E+00	4.235E-01	1.985E-01	1.385E-01	7.395E-01	2.735E-02	0.00E+00	5.555E-01	1.485E-01	5.555E-01	5.695E-01	2.735E-02	0.00E+00	0.00E+00	0.00E+00	5.035E-02
	85345188	1.875E-04	9.185E-02	2.845E-01	7.185E-02	1.00E-01	0.00E+00	9.835E-01	4.425E-02	3.225E-01	3.945E-04	0.00E+00	1.115E-02	8.475E-01	1.295E-01	1.495E-02	5.145E-02	3.165E-04	0.00E+00	1.225E-01	3.715E-01	4.825E-01	0.00E+00	3.735E-01	1.745E-01	1.285E-01	1.835E-02	2.425E-02	0.00E+00	4.935E-01	8.695E-01	4.935E-01	4.935E-01	2.425E-02	0.00E+00	0.00E+00	0.00E+00	4.845E-02
	85345189	1.875E-04	9.185E-02	2.845E-01	7.185E-02	1.00E-01	0.00E+00	9.835E-01	4.425E-02	3.225E-01	3.945E-04	0.00E+00	1.115E-02	8.475E-01	1.295E-01	1.495E-02	5.145E-02	3.165E-04	0.00E+00	1.225E-01	3.715E-01	4.825E-01	0.00E+00	3.735E-01	1.745E-01	1.285E-01	1.835E-02	2.425E-02	0.00E+00	4.935E-01	8.695E-01	4.935E-01	4.935E-01	2.425E-02	0.00E+00	0.00E+00	0.00E+00	4.845E-02
	85345194	2.015E-04	9.195E-02	2.835E-01	7.435E-02	1.00E-01	0.00E+00	1.005E-01	6.825E-02	3.915E-01	3.955E-04	0.00E+00	1.105E-02	8.475E-01	1.315E-01	1.735E-02	5.725E-02	3.165E-04	0.00E+00	1.335E-01	3.375E-01	5.555E-01	0.00E+00	4.235E-01	1.985E-01	1.385E-01	7.395E-01	2.735E-02	0.00E+00	5.555E-01	1.485E-01	5.555E-01	5.695E-01	2.735E-02	0.00E+00	0.00E+00	0.00E+00	5.035E-02
	85346126	2.085E-04	9.135E-02	2.835E-01	7.545E-02	1.00E-01	0.00E+00	9.885E-01	6.885E-02	3.795E-01	4.145E-04	0.00E+00	1.115E-02	8.385E-01	1.295E-01	1.695E-02	5.845E-02	3.165E-04	0.00E+00	1.415E-01	3.735E-01	5.735E-01	0.00E+00	4.415E-01	2.035E-01	1.435E-01	7.385E-01	2.815E-02	0.00E+00	5.705E-01	1.575E-01	5.735E-01	5.785E-01	2.815E-02	0.00E+00	0.00E+00	0.00E+00	5.215E-02
	85346129	1.375E-04	7.735E-02	5.285E-01	6.935E-02	1.00E-01	0.00E+00	9.735E-01	5.035E-02	3.345E-01	3.945E-04	0.00E+00																										

WH20250803B	1.9654	1.9715	2.9152	1.9851	1.9519	0.0000	3.2950	1.8559	7.7800	7.1454	0.0000	4.1552	2.3850	3.3509	3.8853	5.9452	4.9750	0.0000	1.7301	2.8052	5.4451	0.0000	3.5209	1.7759	1.8754	1.0750	4.3750	0.0000	5.4001	-2.6357	5.4451	0.0000	4.3750	0.0000	0.0000	0.0000	7.2500
WH20250804A	1.9654	1.9715	2.9152	1.9851	1.9519	0.0000	3.2950	1.8559	7.7800	7.1354	0.0000	4.1750	2.3850	3.3509	3.8853	5.9302	4.9750	0.0000	1.7251	2.8152	5.5051	0.0000	3.8900	1.7759	1.8754	1.0800	4.4750	0.0000	5.5051	-2.6457	5.5051	0.0000	4.4750	0.0000	0.0000	0.0000	7.2500
WH20250804B	1.9654	1.9715	2.9152	1.9851	1.9519	0.0000	3.2950	1.8559	7.7800	7.1454	0.0000	4.1552	2.3850	3.3509	3.8853	5.9452	4.9750	0.0000	1.7301	2.8052	5.4451	0.0000	3.5209	1.7759	1.8754	1.0750	4.3750	0.0000	5.4001	-2.6357	5.4451	0.0000	4.3750	0.0000	0.0000	0.0000	7.2500
WH20250805A	1.9654	1.9715	2.9152	1.9851	1.9519	0.0000	3.2950	1.8559	7.7800	7.1454	0.0000	4.1750	2.3850	3.3509	3.8853	5.9302	4.9750	0.0000	1.7251	2.8152	5.5051	0.0000	3.8900	1.7759	1.8754	1.0800	4.4750	0.0000	5.5051	-2.6457	5.5051	0.0000	4.4750	0.0000	0.0000	0.0000	7.2500
WH20250805B	1.9654	1.9715	2.9152	1.9851	1.9519	0.0000	3.2950	1.8559	7.7800	7.1454	0.0000	4.1552	2.3850	3.3509	3.8853	5.9452	4.9750	0.0000	1.7301	2.8052	5.4451	0.0000	3.5209	1.7759	1.8754	1.0750	4.3750	0.0000	5.4001	-2.6357	5.4451	0.0000	4.3750	0.0000	0.0000	0.0000	7.2500
WH20250807A	1.9654	1.9715	2.9152	1.9851	1.9519	0.0000	3.2950	1.8559	7.7800	7.1354	0.0000	4.1750	2.3850	3.3509	3.8853	5.9302	4.9750	0.0000	1.7251	2.8152	5.5051	0.0000	3.8900	1.7759	1.8754	1.0800	4.4750	0.0000	5.5051	-2.6457	5.5051	0.0000	4.4750	0.0000	0.0000	0.0000	7.2500
WH20250807B	1.9654	1.9715	2.9152	1.9851	1.9519	0.0000	3.2950	1.8559	7.7800	7.1454	0.0000	4.1552	2.3850	3.3509	3.8853	5.9452	4.9750	0.0000	1.7301	2.8052	5.4451	0.0000	3.5209	1.7759	1.8754	1.0750	4.3750	0.0000	5.4001	-2.6357	5.4451	0.0000	4.3750	0.0000	0.0000	0.0000	7.2500
WH20250809A	1.9654	1.9715	2.9152	1.9851	1.9519	0.0000	3.2950	1.8559	7.7800	7.1254	0.0000	4.1750	2.3850	3.3509	3.8853	5.9302	4.9750	0.0000	1.7251	2.8152	5.5051	0.0000	3.8900	1.7759	1.8754	1.0800	4.4750	0.0000	5.5051	-2.6457	5.5051	0.0000	4.4750	0.0000	0.0000	0.0000	7.2500
WH20250809B	1.9654	1.9715	2.9152	1.9851	1.9519	0.0000	3.2950	1.8559	7.7800	7.1454	0.0000	4.1552	2.3850	3.3509	3.8853	5.9452	4.9750	0.0000	1.7301	2.8052	5.4451	0.0000	3.5209	1.7759	1.8754	1.0750	4.3750	0.0000	5.4001	-2.6357	5.4451	0.0000	4.3750	0.0000	0.0000	0.0000	7.2500
WH20250900A	1.9654	1.8859	3.9752	1.9151	1.9519	0.0000	3.2150	1.9559	7.0250	6.3854	0.0000	4.1850	2.3250	3.3759	3.3351	5.1452	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.8900	1.8159	1.9549	9.1057	4.2752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.2752	0.0000	0.0000	7.0750
WH20250900B	1.9654	1.9451	3.9952	1.9151	1.9519	0.0000	3.2250	1.9559	7.0250	6.3854	0.0000	4.1950	2.3250	3.3759	3.3351	5.1952	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.9200	1.8259	1.9549	9.1307	4.1752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.1752	0.0000	0.0000	7.0850
WH20250903A	1.9654	1.8859	3.9752	1.9151	1.9519	0.0000	3.2150	1.9559	7.0250	6.3854	0.0000	4.1850	2.3250	3.3759	3.3351	5.1452	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.8900	1.8159	1.9549	9.1057	4.2752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.2752	0.0000	0.0000	7.0750
WH20250903B	1.9654	1.9451	3.9952	1.9151	1.9519	0.0000	3.2250	1.9559	7.0250	6.3854	0.0000	4.1950	2.3250	3.3759	3.3351	5.1452	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.9200	1.8159	1.9549	9.1307	4.1752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.1752	0.0000	0.0000	7.0850
WH20250904A	1.9654	1.8859	3.9752	1.9151	1.9519	0.0000	3.2150	1.9559	7.0250	6.3854	0.0000	4.1850	2.3250	3.3759	3.3351	5.1452	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.8900	1.8159	1.9549	9.1057	4.2752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.2752	0.0000	0.0000	7.0750
WH20250904B	1.9654	1.9451	3.9952	1.9151	1.9519	0.0000	3.2250	1.9559	7.0250	6.3854	0.0000	4.1950	2.3250	3.3759	3.3351	5.1952	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.9200	1.8259	1.9549	9.1307	4.1752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.1752	0.0000	0.0000	7.0850
WH20250905A	1.9654	1.8859	3.9752	1.9151	1.9519	0.0000	3.2150	1.9559	7.0250	6.3854	0.0000	4.1850	2.3250	3.3759	3.3351	5.1452	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.8900	1.8159	1.9549	9.1057	4.2752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.2752	0.0000	0.0000	7.0750
WH20250905B	1.9654	1.9451	3.9952	1.9151	1.9519	0.0000	3.2250	1.9559	7.0250	6.3854	0.0000	4.1950	2.3250	3.3759	3.3351	5.1452	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.9200	1.8159	1.9549	9.1307	4.1752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.1752	0.0000	0.0000	7.0850
WH20250907A	1.9654	1.8859	3.9752	1.9151	1.9519	0.0000	3.2150	1.9559	7.0250	6.3854	0.0000	4.1850	2.3250	3.3759	3.3351	5.1452	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.8900	1.8159	1.9549	9.1057	4.2752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.2752	0.0000	0.0000	7.0750
WH20250907B	1.9654	1.9451	3.9952	1.9151	1.9519	0.0000	3.2250	1.9559	7.0250	6.3854	0.0000	4.1950	2.3250	3.3759	3.3351	5.1952	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.9200	1.8259	1.9549	9.1307	4.1752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.1752	0.0000	0.0000	7.0850
WH20250909A	1.9654	1.8859	3.9752	1.9151	1.9519	0.0000	3.2150	1.9559	7.0250	6.3854	0.0000	4.1850	2.3250	3.3759	3.3351	5.1452	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.8900	1.8159	1.9549	9.1057	4.2752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.2752	0.0000	0.0000	7.0750
WH20250909B	1.9654	1.9451	3.9952	1.9151	1.9519	0.0000	3.2250	1.9559	7.0250	6.3854	0.0000	4.1950	2.3250	3.3759	3.3351	5.1452	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.9200	1.8159	1.9549	9.1307	4.1752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.1752	0.0000	0.0000	7.0850
WH20250909Q	1.9654	1.9451	3.9952	1.9151	1.9519	0.0000	3.2250	1.9559	7.0250	6.3854	0.0000	4.1950	2.3250	3.3759	3.3351	5.1952	7.6251	0.0000	1.6351	2.4952	5.4451	0.0000	3.9200	1.8259	1.9549	9.1307	4.1752	0.0000	5.4001	-2.7157	5.4451	0.0000	5.9751	4.1752	0.0000	0.0000	7.0850
WH202509080Q	1.9654	1.9715	3.4952	1.9851	1.9519	0.0000	3.4050	1.8559	7.7800	7.1254	0.0000	4.2050	2.5250	3.5359	3.8853	5.9302	4.9750	0.0000	1.8851	2.8052	5.5051	0.0000	4.1900	1.8759	1.8854	1.1054	5.9752	0.0000	5.9851	-2.6557	5.5051	0.0000	5.9752	5.9752	0.0000	0.0000	7.3500
WH23250803Q	2.0754	1.9715	3.4952	1.9851	1.9519	0.0000	3.4050	1.8559	7.8350	7.1254	0.0000	4.3850	2.5250	3.5359	3.8853	5.9302	4.9750	0.0000	1.8851	2.8052	5.5051	0.0000	4.1900	1.8759	1.8854	1.1054	5.9752	0.0000	5.9851	-2.6557	5.5051	0.0000	5.9752	5.9752	0.0000	0.0000	7.3500
WH23250804Q	2.0754	1.9715	3.4952	1.9851	1.9519	0.0000	3.4050	1.8559	7.8350	7.1354	0.0000	4.3850	2.5250	3.5359	3.8853	5.9302	4.9750	0.0000	1.8851	2.8052	5.5051	0.0000	4.1900	1.8759	1.8854	1.1054	5.9752	0.0000	5.9851	-2.6557	5.5051	0.0000	5.9752	5.9752	0.0000	0.0000	7.3500
WH23250805Q	2.0754	1.9715	3.4952	1.9851	1.9519	0.0000	3.4050	1.8559	7.8350	7.1454	0.0000	4.3850	2.5250	3.5359	3.8853	5.9302	4.9750	0.0000	1.8851	2.8052	5.5051	0.0000	4.1900	1.8759	1.8854	1.1054	5.9752	0.0000	5.9851	-2.6557	5.5051	0.0000	5.9752	5.9752	0.0000	0.0000	7.3500
WH23250807Q	2.0754	1.9715	3.4952	1.9851	1.9519	0.0000	3.4050	1.8559	7.8350	7.1354	0.0000	4.3850	2.5250	3.5359	3.8853	5.9302	4.9750	0.0000	1.8851	2.8052	5.5051	0.0000	4.1900	1.8759	1.8854	1.1054	5.9752	0.0000	5.9851	-2.6557	5.5051	0.0000	5.9752	5.9752	0.0000	0.0000	7.3500
WH23250809Q	2.0754	1.9715	3.4952	1.9851	1.9519	0.0000	3.4050	1.8559	7.8350	7.1454	0.0000	4.3850	2.5250	3.5359	3.8853	5.9302	4.9750	0.0000	1.8851	2.8052	5.5051	0.0000	4.1900	1.8759	1.8854	1.1054	5.9752	0.0000	5.9851	-2.6557	5.5051	0.0000	5.9752	5.9752	0.0000	0.0000	7.3500
WH23250900Q	2.0754	1.9451	3.9952	1.9151	1.9519	0.0000	3.3650	1.7559	7.0250	6.3854	0.0000	4.4150	2.4450	3.3959	3.3351	5.7752	7.6251	0.0000	1.7751	2.3752	5.8951	0.0000	4.1350	1.9159	1.9549	1.1754	5.8952	0.0000	5.8951	-2.8057	5.8951	0.0000	6.2851	5.8952	0.0000	0.0000	7.3200
WH23250903Q	2.0754																																				

Module D

WHT50605Q	2.8054	1.7651	3.7252	1.4841	1.0051	0.0000	2.7510	1.5265	8.4645	9.3354	0.0000	3.0755	2.4345	2.8054	1.0642	7.5962	7.2647	0.0000	1.9761	1.7155	7.8951	0.0000	5.2865	2.4454	1.8954	9.6327	6.8642	0.0004	7.9951	2.1257	7.9951	8.3751	6.8942	0.0000	0.0000	0.0000	8.0705
WHT50607A	2.2954	1.9951	3.1352	1.8151	1.0051	0.0000	2.8951	1.3951	8.9951	9.1951	0.0000	3.6951	2.0951	3.1352	1.0951	5.0351	7.2251	0.0000	1.8351	1.1951	8.3151	0.0000	3.9151	2.1151	1.8951	8.2457	5.2742	0.0000	6.3151	2.3457	8.3151	7.9151	5.2742	0.0000	0.0000	0.0000	6.4705
WHT50607B	2.2954	1.9151	3.1352	1.8151	1.0051	0.0000	2.9751	1.3951	8.9951	9.1951	0.0000	3.6351	2.0951	3.1351	1.0951	5.0151	7.2251	0.0000	1.8351	1.1151	8.3151	0.0000	3.8951	2.1151	1.8951	8.2257	5.2742	0.0000	6.3151	2.3657	8.3151	7.9151	5.2742	0.0000	0.0000	0.0000	6.4605
WHT50607Q	2.2954	1.7951	3.7252	1.4841	1.0051	0.0000	2.7551	1.5265	8.4645	9.3354	0.0000	3.0755	2.4345	2.8951	1.0642	7.5962	7.2647	0.0000	1.9751	1.7155	7.8951	0.0000	5.2865	2.4454	1.8954	9.6257	6.8642	0.0004	7.9951	2.1257	7.9951	8.3751	6.8942	0.0000	0.0000	0.0000	8.0705
WHT50609A	2.8054	1.9951	3.6352	1.8151	1.0051	0.0000	2.8951	1.3951	8.9951	9.1951	0.0000	3.6951	2.0951	3.1351	1.0951	5.0351	7.2251	0.0000	1.8351	1.1951	8.3151	0.0000	3.9151	2.1151	1.8951	8.2457	5.2742	0.0000	6.3151	2.3457	8.3151	7.9151	5.2742	0.0000	0.0000	0.0000	8.0705
WHT50609B	2.2954	1.8951	3.6352	1.8351	1.0051	0.0000	2.8951	1.4351	8.9351	9.3354	0.0000	3.5951	2.0951	3.0951	1.0951	5.0351	7.2251	0.0000	1.7351	1.4951	8.3951	0.0000	4.0351	2.1851	1.7351	8.4957	5.5942	0.0000	6.3951	2.2257	8.3951	8.9951	5.5942	0.0000	0.0000	0.0000	7.5955
WHT50609Q	2.8054	1.7451	3.6352	1.8351	1.0051	0.0000	2.7951	1.5951	8.4351	9.3354	0.0000	3.5351	2.4351	2.7551	1.0951	5.7351	7.2251	0.0000	2.2351	1.9951	8.1151	0.0000	5.5351	2.3951	1.8951	8.9957	6.9942	0.0004	6.1151	2.3357	8.1151	8.2951	6.9942	0.0000	0.0000	0.0000	8.2955
WHT506E	2.2454	1.8951	2.4352	1.8451	1.0051	0.0000	2.3451	1.4351	8.1951	7.8951	0.0000	3.0755	1.9151	3.0351	8.9351	4.4951	7.2251	0.0000	1.8351	1.4451	8.2951	0.0000	3.9151	2.1751	1.7351	7.9957	5.5452	0.0004	6.2951	2.2257	8.2951	8.9151	5.5452	0.0000	0.0000	0.0000	7.4355
WHT506F	2.2454	1.9951	2.4352	1.8451	1.0051	0.0000	2.3451	1.4351	8.1951	7.8951	0.0000	3.0755	1.9151	3.0351	8.9351	4.4951	7.2251	0.0000	1.8351	1.5351	8.2951	0.0000	4.0151	2.1751	1.7351	7.7257	5.5452	0.0000	6.2951	2.2257	8.2951	8.9151	5.5452	0.0000	0.0000	0.0000	7.4355
WHTL50600C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50604C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50605C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50606C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50607C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50608C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609Q	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151	1.0051	0.0000	2.7951	1.4951	8.6151	9.3354	0.0000	3.5755	2.1951	3.1451	1.0951	5.0751	7.2251	0.0000	1.7351	1.1951	8.3951	0.0000	4.1351	2.2451	1.8951	8.4957	5.5942	0.0000	6.3951	2.3457	8.3951	7.9951	5.5942	0.0000	0.0000	0.0000	6.8955
WHTL50609C	2.2954	1.9951	3.6352	1.8151																																	

	85365100	-1.1250	-2.9952	9.1850	-2.8202	0.0000	0.0000	2.2922	-1.2904	4.9526	4.3226	0.0000	0.0000	-3.8251	-1.1367	-1.1804	-9.5267	0.0000	0.0000	-4.7342	0.0000	1.2392	0.0000	-5.5061	-1.0204	-3.2801	0.0000	-1.4721	0.0000	1.2392	-1.1947	1.2392	3.3601	-1.4741	0.0000	0.0000	0.0000	1.0204
	85365199	2.6854	1.3862	2.8854	1.1851	0.0000	0.0000	1.1662	6.4857	3.8826	3.5954	0.0000	0.0000	-3.2251	1.8958	2.1802	-0.0000	0.0000	0.0000	3.6261	0.0000	8.8362	0.0000	4.5360	1.1662	-1.7405	0.0000	-1.9201	0.0000	8.8362	5.4461	8.8362	3.7400	-1.9201	0.0000	0.0000	0.0000	3.7401
	EE883	-2.5200	-1.0502	2.2154	-1.2802	0.0000	0.0000	1.4760	-8.9807	-2.7458	1.8850	0.0000	-3.9758	-8.1361	-1.1367	8.8150	-2.2601	0.0000	0.0000	-3.7050	-1.1605	1.1605	0.0000	-4.2801	-1.8850	-8.9126	-7.2150	-1.8781	0.0000	1.1605	-8.8150	1.1605	5.7901	-1.8781	0.0000	0.0000	0.0000	2.8000
	EED503	7.6005	1.9305	1.3304	1.7410	0.0000	0.0000	1.1462	9.7000	7.1385	8.3005	0.0000	0.0000	2.4762	2.8031	3.0194	-1.2201	0.0000	0.0000	1.5802	0.0000	8.3702	0.0000	5.9801	1.8851	1.2010	0.0000	-1.5502	0.0000	6.3702	1.8106	8.3702	4.8002	-1.5502	0.0000	0.0000	0.0000	4.2601
	EED503KP3	-2.1500	-1.7792	3.2405	-1.3802	0.0000	0.0000	-2.1850	-7.1800	-3.2500	-2.7400	0.0000	-3.9758	-5.5261	-4.7350	2.8604	-8.7801	0.0000	0.0000	3.9162	-1.1605	-8.2302	0.0000	2.3701	-3.9401	-4.8200	-7.2150	-1.9601	0.0000	-9.2202	-4.8800	-8.2300	5.8801	-1.9601	0.0000	0.0000	0.0000	-2.0200
	EED503KP5	-2.1900	-1.7792	3.2405	-1.3802	0.0000	0.0000	-2.1900	-7.1800	-3.2500	-2.7400	0.0000	-3.9758	-5.5261	-4.7350	2.8604	-8.7801	0.0000	0.0000	3.9162	-1.1605	-8.2302	0.0000	2.3701	-3.9401	-4.8200	-7.2150	-1.9601	0.0000	-9.2202	-4.8800	-8.2300	5.8801	-1.9601	0.0000	0.0000	0.0000	-2.0200
	EED503W3	-2.1500	-1.7792	3.2405	-1.3802	0.0000	0.0000	-2.1500	-7.1800	-3.2500	-2.7400	0.0000	-3.9758	-5.5261	-4.7350	2.8604	-8.7801	0.0000	0.0000	3.9162	-1.1605	-8.2302	0.0000	2.3701	-3.9401	-4.8200	-7.2150	-1.9601	0.0000	-9.2202	-4.8800	-8.2300	5.8801	-1.9601	0.0000	0.0000	0.0000	-2.0200
	EED505	2.6854	1.3862	2.8854	1.1851	0.0000	0.0000	1.1462	9.7000	7.1385	8.3005	0.0000	0.0000	2.4762	2.8031	3.0194	-1.2201	0.0000	0.0000	1.5802	0.0000	8.3702	0.0000	5.9801	1.8851	1.2010	0.0000	-1.5502	0.0000	6.3702	1.8106	8.3702	4.8002	-1.5502	0.0000	0.0000	0.0000	4.2601
	EED513	-7.4800	-3.5802	-1.8854	-3.3702	0.0000	0.0000	-4.1802	-3.2600	-1.3600	-1.8854	0.0000	0.0000	-6.4461	-3.8800	-2.8804	-1.8100	0.0000	0.0000	-7.8802	0.0000	-1.4460	0.0000	-7.7801	-1.7800	-4.8800	0.0000	-2.4100	0.0000	-1.4460	-1.7400	-1.4460	-3.8801	-2.4100	0.0000	0.0000	0.0000	-3.8800
	EED515	-7.4800	-3.5802	-1.8854	-3.3702	0.0000	0.0000	-4.1802	-3.2600	-1.3600	-1.8854	0.0000	0.0000	-6.4461	-3.8800	-2.8804	-1.8100	0.0000	0.0000	-7.8802	0.0000	-1.4460	0.0000	-7.7801	-1.7800	-4.8800	0.0000	-2.4100	0.0000	-1.4460	-1.7400	-1.4460	-3.8801	-2.4100	0.0000	0.0000	0.0000	-3.8800
	EED518	-7.4800	-3.5802	-1.8854	-3.3702	0.0000	0.0000	-4.1802	-3.2600	-1.3600	-1.8854	0.0000	0.0000	-6.4461	-3.8800	-2.8804	-1.8100	0.0000	0.0000	-7.8802	0.0000	-1.4460	0.0000	-7.7801	-1.7800	-4.8800	0.0000	-2.4100	0.0000	-1.4460	-1.7400	-1.4460	-3.8801	-2.4100	0.0000	0.0000	0.0000	-3.8800
	EER501CH	-5.1600	-6.4802	-1.4304	-5.3802	0.0000	0.0000	-2.2402	-8.8207	-1.2500	-1.9704	0.0000	0.0000	-2.3301	-1.1605	-3.4704	-8.8000	0.0000	0.0000	-3.8802	0.0000	-1.8781	0.0000	-7.8801	-2.9400	-4.2700	0.0000	-5.3500	0.0000	-1.8781	-2.1500	-1.8781	-4.2700	-5.3500	0.0000	0.0000	0.0000	-1.3400
	EER501KP3	-2.1900	-1.8402	3.2405	-1.4802	0.0000	0.0000	-2.8300	-7.1800	-3.2500	-4.2000	0.0000	-3.9758	-5.5461	-4.7400	2.8604	-8.7801	0.0000	0.0000	2.1602	-1.1605	-8.3100	0.0000	2.3701	-4.4701	-4.1400	-7.2150	-1.9601	0.0000	-9.3100	-5.1700	-4.3100	5.9801	-1.9601	0.0000	0.0000	0.0000	-2.1800
	EER501W3	-2.1900	-1.8402	3.2405	-1.4802	0.0000	0.0000	-2.8300	-7.1800	-3.2500	-4.2000	0.0000	-3.9758	-5.5461	-4.7400	2.8604	-8.7801	0.0000	0.0000	2.1602	-1.1605	-8.3100	0.0000	2.3701	-4.4701	-4.1400	-7.2150	-1.9601	0.0000	-9.3100	-5.1700	-4.3100	5.9801	-1.9601	0.0000	0.0000	0.0000	-2.1800
	EER503KP3	-2.1900	-1.8402	3.2405	-1.4802	0.0000	0.0000	-2.8300	-7.1800	-3.2500	-4.2000	0.0000	-3.9758	-5.5461	-4.7400	2.8604	-8.7801	0.0000	0.0000	2.1602	-1.1605	-8.3100	0.0000	2.3701	-4.4701	-4.1400	-7.2150	-1.9601	0.0000	-9.3100	-5.1700	-4.3100	5.9801	-1.9601	0.0000	0.0000	0.0000	-2.1800
	EER503KP5	-2.1900	-1.8402	3.2405	-1.4802	0.0000	0.0000	-2.8300	-7.1800	-3.2500	-4.2000	0.0000	-3.9758	-5.5461	-4.7400	2.8604	-8.7801	0.0000	0.0000	2.1602	-1.1605	-8.3100	0.0000	2.3701	-4.4701	-4.1400	-7.2150	-1.9601	0.0000	-9.3100	-5.1700	-4.3100	5.9801	-1.9601	0.0000	0.0000	0.0000	-2.1800
	EER503W3	-2.1900	-1.8402	3.2405	-1.4802	0.0000	0.0000	-2.8300	-7.1800	-3.2500	-4.2000	0.0000	-3.9758	-5.5461	-4.7400	2.8604	-8.7801	0.0000	0.0000	2.1602	-1.1605	-8.3100	0.0000	2.3701	-4.4701	-4.1400	-7.2150	-1.9601	0.0000	-9.3100	-5.1700	-4.3100	5.9801	-1.9601	0.0000	0.0000	0.0000	-2.1800
	EER503W3	-2.1900	-1.8402	3.2405	-1.4802	0.0000	0.0000	-2.8300	-7.1800	-3.2500	-4.2000	0.0000	-3.9758	-5.5461	-4.7400	2.8604	-8.7801	0.0000	0.0000	2.1602	-1.1605	-8.3100	0.0000	2.3701	-4.4701	-4.1400	-7.2150	-1.9601	0.0000	-9.3100	-5.1700	-4.3100	5.9801	-1.9601	0.0000	0.0000	0.0000	-2.1800
	TC0510S	-8.8100	-1.8802	-1.7204	-1.8402	0.0000	0.0000	-3.0004	-3.4400	-3.6600	-1.0200	0.0000	0.0000	-8.5301	-1.1605	-2.8804	-6.8201	0.0000	0.0000	-4.9402	0.0000	-1.2300	0.0000	-5.9801	-1.1605	-2.9400	0.0000	-0.3300	0.0000	-1.8201	-1.6200	-1.2300	-1.1301	-9.3302	0.0000	0.0000	0.0000	-2.8800
	TC0520E	-5.8900	-1.0302	-1.8304	-1.8202	0.0000	0.0000	-3.3800	-3.9400	-1.9600	-1.2604	0.0000	0.0000	-8.5901	-1.1605	-2.7204	-6.8201	0.0000	0.0000	-4.7002	0.0000	-1.2300	0.0000	-6.0601	-1.1605	-5.3900	0.0000	-1.9100	0.0000	-1.2300	-1.6200	-1.2300	-2.3401	-1.9100	0.0000	0.0000	0.0000	-2.8700
	TC0521E	-4.6900	-2.0500	-1.8804	-2.0302	0.0000	0.0000	-3.4302	-3.9400	-1.9700	-1.2604	0.0000	0.0000	-8.5801	-1.2300	-2.7804	-7.2801	0.0000	0.0000	-4.7002	0.0000	-1.2300	0.0000	-6.2601	-1.1700	-5.3800	0.0000	-1.1200	0.0000	-1.2300	-1.6200	-1.2300	-2.3701	-1.1200	0.0000	0.0000	0.0000	-2.8900
	TRE500	-1.7100	-8.1802	8.2304	-5.2802	0.0000	0.0000	1.2601	-5.8600	3.8900	8.2400	0.0000	0.0000	-3.7801	-2.8700	5.8804	-8.4701	0.0000	0.0000	-1.3602	0.0000	2.4800	0.0000	8.8601	-3.3901	-3.1800	0.0000	-1.8701	0.0000	2.4801	-1.1300	2.4800	6.7701	-1.8701	0.0000	0.0000	0.0000	1.9700
	TRE501	-1.4604	-1.8402	3.2405	-1.3802	0.0000	0.0000	-1.4100	-4.1400	-1.8400	-4.2000	0.0000	-3.9758	-7.2801	-3.8100	3.0000	-1.2800	0.0000	0.0000	-4.1602	-1.4200	-8.3800	0.0000	-1.8801	-3.9601	-3.9600	0.0000	-1.8801	0.0000	3.9100	-1.8801	-3.9601	-3.9600	-1.8801	0.0000	0.0000	0.0000	4.6800
	TRE520	-2.8100	-2.9802	4.2104	-2.8902	0.0000	0.0000	8.7200	-1.0800	-3.8400	-3.9400	0.0000	0.0000	-4.7301	-1.7800	-3.9700	-8.8701	0.0000	0.0000	-2.3902	0.0000	2.4800	0.0000	-4.4401	-2.7200	-1.5200	0.0000	-1.8200	0.0000	2.4801	-1.2300	2.4801	1.0200	-1.8200	0.0000	0.0000	0.0000	3.4800
	TRE521	-3.3504	-3.3802	8.2305	-3.3802	0.0000	0.0000	1.0200	-1.9600	7.3400	8.2300	0.0000	0.0000	-7.2201	-3.2300	-1.2504	9.8001	0.0000	0.0000	-4.2700	0.0000	8.3104	0.0000	8.8201	-1.4200	-4.8800	0.0000	-1.8200	0.0000	-8.9104	-1.2600	8.3104	7.2801	-1.8200	0.0000	0.0000	0.0000	2.8900
	TRE700	2.3200	4.4101	8.7801	4.3201	0.0000	0.0000	1.2600	4.4800	4.9400	4.8700	0.0000	0.0000	1.9400	3.3700	2.6802	2.7601	0.0000	0.0000	1.8100	0.0000	8.8800	0.0000	3.8600	2.4800	1.4801	0.0000	3.5500	0.0000	6.8800	3.8600	8.8800	7.2400	3.5500	0.0000	0.0000	0.0000	5.8800
	TRE720	1.9404	-1.0100	2.8804	8.8801	0.0000	0.0000	3.8800	-3.8800	3.7500	3.5200	0.0000	-3.9758	8.0301	-1.7200	2.1100	-2.7600	0.0000	0.0000	3.8801	-1.1605	3.7800	0.0000	4.8700	1.0200	-3.9800	-7.2150	-2.1100	0.0000	7.8802	3.7800	3.8800	2.1100	0.0000	0.0000	0.0000	3.8800	
	TXC513	-7.7800	-3.8102	3.7804	-7.7802	0.0000	0.0000	-3.9700	-3.9700	-1.4800	-1.8104	0.0000	0.0000	-5.9801	-3.7800	-3.1800	-1.8000	0.0000	0.0000	-7.8202	0.0000	-1.8800	0.0000	-8.3901	-1.8800	-8.8900	0.0000	-2.8200	0.0000	-1.8800	-1.7400	-1.8800	-2.8200	0.0000	0.0000	0.0000	-3.1800	
	TXC515	-7.7800	-3.8102	3.7804	-7.7802	0.0000	0.0000	-4.3702	-3.9700	-1.4800	-1.8104	0.0000	0.0000	-5.9801	-3.7800	-3.1800	-1.8000	0.0000	0.0000	-7.8202	0.0000	-1.8800	0.0000	-8.3901	-1.8800	-8.8900	0.0000	-2.8200	0.0000	-1.8800	-1.7400	-1.8800	-2.8200	0.0000	0.0000	0.0000	-3.1800	
	TXC518	-7.7800	-3.8102	3.7804	-7.7802																																	

WH25250900	-1.7500	-1.0300	3.0000	-1.0300	0.0000	0.0000	7.3300	-4.8100	-0.8500	1.4700	0.0000	-3.0700	-1.1000	-4.0000	4.0400	-0.8600	0.0000	0.0000	2.3500	-1.1000	1.5200	0.0000	2.8300	-3.3000	-3.0700	-7.2100	-1.0300	0.0000	1.5200	-7.9500	1.5200	1.9000	-1.0300	0.0000	0.0000	-3.0700
WH25250800C	5.5000	3.0000	1.4700	2.3100	0.0000	0.0000	-4.8200	-6.0000	3.0700	3.2300	0.0000	0.0000	-1.0300	-4.8100	6.0400	6.0700	0.0000	0.0000	-3.0000	0.0000	1.0100	0.0000	1.9300	-4.3000	-2.5200	0.0000	0.0000	1.0000	-1.0000	1.0100	1.0000	2.0000	0.0000	0.0000	-2.1200	
WH25250803C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH25250804C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH25250805C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH25250807C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH25250809C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH25250900C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH25250907C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH25250909C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH26250800C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH26250803C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH26250809C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH26250900C	-2.0000	-2.0300	5.4700	-1.9400	0.0000	0.0000	-2.3900	-4.8000	-3.0700	-2.2800	0.0000	0.0000	-1.7000	-5.3400	3.9100	-4.7800	0.0000	0.0000	-1.2000	0.0000	-0.4800	0.0000	2.3700	-1.2400	-4.8000	0.0000	-1.0000	0.0000	-0.4800	-0.5000	-4.4800	-4.9800	-1.0000	0.0000	0.0000	-4.9400
WH26250903C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH26250904C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH26250905C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH26250907C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH26250909C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH27250800C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH27250803C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH27250804C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH27250805C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH27250807C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH27250809C	-2.0000	-2.2400	3.5000	-2.1600	0.0000	0.0000	6.3000	-7.2400	-1.4500	6.5300	0.0000	-3.0700	-1.3000	-6.4200	3.8100	-0.8600	0.0000	0.0000	4.4100	-1.1000	1.3400	0.0000	-1.0200	-7.4800	-3.3400	-7.2100	-1.0600	0.0000	1.3400	-1.2400	1.3400	7.8300	-1.0600	0.0000	0.0000	-0.9000
WH27250900C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH27250903C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH27250904C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH27250905C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200	1.7400	-1.0700	0.0000	0.0000	-4.9400
WH27250907C	-1.7500	-1.0700	3.0000	-1.0700	0.0000	0.0000	7.3300	-4.9400	-0.8500	1.6300	0.0000	0.0000	-3.0700	-1.3100	-6.2100	4.0400	-0.9100	0.0000	2.3500	0.0000	1.5200	0.0000	2.8300	-3.0500	-3.0000	0.0000	-1.0700	0.0000	1.5200	-8.0200	1.5200					

Herstellererklärung zum Bewertungssystem Nachhaltiges Bauen (BNB)

Diese Herstellererklärung bezieht sich auf das **Bewertungssystem Nachhaltiges Bauen (BNB), Kriterium 1.1.6 „Risiken für die lokale Umwelt“**, Version 2015 (Stand 28.09.2017, Korrekturfassung).

Hiermit erklären wir, die Hager SE, dass sämtliche von uns in Verkehr gebrachten Produkte BNB-konform sind und im Rahmen von Bauvorhaben mit angestrebter BNB-Zertifizierung eingesetzt werden können.

Für einzelne Produktgruppen gelten spezifische BNB-Anforderungen. Diese Anforderungen werden von den jeweils betroffenen Produkten erfüllt. Alle übrigen Produkte sind im Sinne des BNB anforderungsfrei und frei einsetzbar.

Relevante BNB-Anforderungen und Produktgruppen

Pos. 3a – VOC-Anforderungen gemäß Decopaint und RoHS Richtlinie

Korrosionsschutzbeschichtungen von *Schranksystemen* erfüllen die Anforderung $\text{VOC} \leq 100,0 \text{ g/l}$. Außerdem enthalten die Beschichtungen keine Blei-, Cadmium oder Chrom VI Verbindungen. Die Einhaltung der Anforderungen wird gemäß der Decopaint und RoHS Richtlinie dokumentiert.

Pos. 29 – Schadstoffanforderungen gemäß REACH-Verordnung und RoHS Richtlinie

Bauprodukte aus PVC, wie z. B. Kabel, Leitungen, Kanäle und Rohre, enthalten keine Cadmium- oder Bleistabilisatoren. Die Einhaltung der Anforderungen wird gemäß REACH Verordnung sowie der RoHS Richtlinie dokumentiert.

Pos. 44 Schadstoffanforderungen gemäß REACH- und POP-Verordnung

Brandschutzrelevante Produkte, wie z. B. Brandschutzbeschichtungen, -spachtelmassen oder -abdichtungen, enthalten:

- keine Chlorparaffine
- keine polybromierten Biphenyle (PBB)
- kein polybromierten Diphenylether (PBDE)
- keine Tris(2-chlorethyl)phosphate (TCEP)

in Konzentrationen von mehr als 0,1 % Massenprozent. Die Einhaltung der Anforderungen wird gemäß REACH- sowie der POP-Verordnung dokumentiert.

Anforderungsfreie Produkte

Alle Hager Produkte, die nicht unter die BNB-Positionen 3a, 29 oder 44 fallen, sind anforderungsfrei und ohne zusätzlichen Nachweis im BNB-Kontext einsetzbar.

Nachweisführung und Hinweis

Die produktbezogenen REACH- und RoHS-Erklärungen sind im Hager E-Katalog unter **hager.de** verfügbar und können für die BNB-Nachweisführung verwendet werden.



Blieskastel, 26.01.2026

Martin Isberg

Senior Certification Manager
Hager SE

Herstellererklärung zum Deutschen Gütesiegel für Nachhaltiges Bauen (DGNB)

Diese Herstellererklärung bezieht sich auf das **DGNB-System**, Kriterium **ENV1.2 „Risiken für die lokale Umwelt“**, Anlage 1 – Kriterienmatrix, Auflage 4 (Stand 29.05.2025).

Hiermit erklären wir, die Hager SE, dass sämtliche von uns in Verkehr gebrachten Produkte DGNB-konform sind und im Rahmen von Bauvorhaben mit angestrebter DGNB-Zertifizierung eingesetzt werden können.

Für einzelne Produktgruppen gelten spezifische DGNB-Anforderungen. Diese Anforderungen werden von den jeweils betroffenen Produkten erfüllt. Alle übrigen Produkte sind im Sinne des DGNB anforderungsfrei und frei einsetzbar.

Relevante DGNB-Anforderungen und Produktgruppen

Pos. 1 – VOC-Anforderungen gemäß Decopaint Richtlinie

Korrosionsschutzbeschichtungen von *Schranksystemen* erfüllen die Anforderung $\text{VOC} \leq 100,0 \text{ g/l}$. Die Einhaltung der Anforderungen wird gemäß der Decopaint Richtlinie dokumentiert.

Pos. 43b – Schadstoffanforderungen gemäß POP- und REACH-Verordnung

Flammhemmend ausgerüsteten Zubehörprodukte, insbesondere Brandschutzprodukte, Brandschutzschäume, Brandschutzspachtelmassen enthalten:

- keine Chlorparaffine (SCCPs, MCCPs, LCCPs)
- keine polybromierten Biphenyle (PBB)
- keine polybromierten Diphenylether (PBDE)
- keine besonders besorgniserregenden Stoffe (SVHC)
- kein Antimontrioxid

in Konzentrationen von mehr als 0,1% Massenprozent. Die Einhaltung der Anforderungen wird gemäß POP-Verordnung sowie der REACH-Verordnung dokumentiert.

Pos. 44 – Schadstoffanforderungen gemäß REACH-Verordnung

Kabelummantelungen enthalten keine besonders besorgniserregenden Stoffe (SVHC) in Konzentrationen von mehr als 0,1 %.

Die Einhaltung der Anforderungen wird gemäß der REACH-Verordnung dokumentiert.

Anforderungsfreie Produkte

Alle Hager Produkte, die nicht unter die DGNB-Positionen 1, 43b oder 44 fallen, sind anforderungsfrei und ohne zusätzlichen Nachweis im DGNB-Kontext einsetzbar.

Nachweisführung und Hinweis

Die produktbezogenen REACH- und RoHS-Erklärungen sind im Hager E-Katalog unter **hager.de** verfügbar und können für die DGNB-Nachweisführung verwendet werden.



Blieskastel, 26.01.2026

Martin Isberg

Senior Certification Manager
Hager SE

Herstellereklärung zum Qualitätssiegel Nachhaltiges Gebäude (QNG)

Diese Herstellereklärung bezieht sich auf den **QNG-Anforderungskatalog, Anhangdokument 313**, Version 1.3 (Stand 14.09.2023, Korrekturfassung).

Hiermit erklären wir, die Hager SE, dass sämtliche von uns in Verkehr gebrachten Produkte QNG-konform sind und im Rahmen von Bauvorhaben mit angestrebter QNG-Zertifizierung eingesetzt werden können.

Für einzelne Produktgruppen gelten spezifische QNG-Anforderungen. Diese Anforderungen werden von den jeweils betroffenen Produkten erfüllt. Alle übrigen Produkte sind im Sinne des QNG anforderungsfrei und frei einsetzbar.

Relevante QNG-Anforderungen und Produktgruppen

Pos. 1.1 – SVHC-Deklaration gemäß REACH-Verordnung

Alle in der Kriterien Matrix aufgeführten Bauprodukte erfüllen die Anforderungen zur Produktdokumentation und Deklaration enthaltener SVHC > 0,10 % gemäß REACH-Verordnung. Die Einhaltung der Anforderungen wird gemäß REACH-Verordnung dokumentiert.

Pos. 7.4 – VOC-Anforderungen gemäß Decopaint Richtlinie

Korrosionsschutzbeschichtungen von *Schranksystemen* erfüllen die Anforderung $\text{VOC} \leq 100,0 \text{ g/l}$. Die Einhaltung der Anforderungen wird gemäß der Decopaint Richtlinie dokumentiert.

Pos. 13.1 – Schadstoffanforderungen gemäß RoHS Richtlinie

Kabel, Leitungen, Leerrohre sowie Kabelkanäle und Kabelrinnen aus Kunststoff enthalten keine Phthalate, PBB, PBDE, Blei oder Cadmium in Konzentrationen > 0,10 %. Die Einhaltung der Anforderungen wird gemäß RoHS Richtlinie dokumentiert.

Pos. 13.2 Schadstoffanforderungen gemäß REACH- und POP-VO

Brandschutzrelevante Produkte für Brandschottungen im Innen- und Außenbereich
enthalten:

- keine Chlorparaffine
- keine polybromierten Biphenyle (PBB)
- kein polybromierten Diphenylether (PBDE)
- keine Tris(2-chlorethyl)phosphate (TCEP)

in Konzentrationen von mehr als 0,1% Massenprozent. Die Einhaltung der Anforderungen wird gemäß POP-Verordnung sowie REACH-Verordnung dokumentiert.

Anforderungsfreie Produkte

Alle Hager Produkte, die nicht unter die QNG-Positionen 1.1, 7.4, 13.1 oder 13.2 fallen, sind nach QNG anforderungsfrei und ohne zusätzlichen Nachweis im QNG-Kontext einsetzbar.

Nachweisführung und Hinweis

Die produktbezogenen REACH- und RoHS-Erklärungen sind im Hager E-Katalog unter **hager.de** verfügbar und können für die QNG-Nachweisführung verwendet werden.



Blieskastel, 26.01.2026

Martin Isberg

Senior Certification Manager

Hager SE

CE-Kennzeichnung Konformitätszertifikat

Wir,

Hager SE

Zum Gunterstal

D 66440 Blieskastel

erklären in alleiniger Verantwortung, dass alle unsere mit CE gekennzeichnete Produkte von folgenden Angebotssegmente

- Installationsverteilungen und Schalt-/Schutzgeräte
- Leitungsführung und Raumanschlusssysteme
- Schalterprogramme und Gebäudesteuerung
- Türkommunikation und Sicherheitstechnik
- Energieverteilungen und Schalt-/ Schutzgeräte

die Anforderungen folgender EU-Richtlinien und Verordnungen und ihrer entsprechenden Ergänzungen, soweit zutreffend und anwendbar, erfüllen:

- Niederspannungsrichtlinie 2014/35/EU
- Richtlinie über Elektromagnetische Verträglichkeit 2014/30/EU
- Richtlinie über Bereitstellung von Funkanlagen auf dem Markt 2014/53/EU
- Richtlinie zur Festlegung von Anforderungen an die umweltgerechte Gestaltung energieverbrauchsrelevanter Produkte 2009/125/EG
- Messgeräte-Richtlinie 2014/32/EU
- Bauproduktverordnung (EU) Nr. 305/2011
- Richtlinie zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe 2011/65/EU

Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien und Verordnungen, beinhaltet jedoch keine Zusicherung von Eigenschaften.

Für die bestimmungsgemäße Anwendung unserer Produkte, zur Errichtung einer betriebsfertigen Anlage gemäß den einschlägigen Errichtungsbestimmungen, ist der Elektrotechniker zuständig.

Die CE-Kennzeichnung ist direkt auf dem Produkt, auf der Verpackung oder auf der Umverpackung aufgebracht.

Die Hager SE handelt im Auftrag aller ihrer direkten oder indirekten Tochtergesellschaften.

Blieskastel, den 19. Mai 2017



Dr.-Ing. Dominique Beck

Corporate Standards and Business Environment Director – Hager Group

RoHS declaration

Die europäische RoHS Richtlinie 2011/65/UE und die delegierte Richtlinie (EU) 2015/863 beschränken die Verwendung gefährlicher Stoffe in elektrischen und elektronischen Geräten.

Die betroffenen Stoffe sind:

- | | |
|---------------------------------|---------------------------------------|
| - Quecksilber | - Polybromiertes Diphenylether (PBDE) |
| - Blei | - Di(2-ethylhexyl)phthalat (DEHP) |
| - Sechswertiges Chrom | - Butylbenzylphthalat (BBP) |
| - Cadmium | - Dibutylphthalat (DBP) |
| - Polybromiertes Biphenyl (PBB) | - Diisobutylphthalat (DIBP) |

Die RoHS-Konformität wird durch die CE-Kennzeichnung abgedeckt. Für alle unsere Produkte der Kategorien 1 bis 11 (nach Anhang I der Richtlinie 2011/65/UE) ist die Konformität beider Richtlinien in unserer EU-Erklärung enthalten (in unserem Webkatalog verfügbar).

REACH Declaration

Die REACH-Verordnung ist am 1. Juni 2007 in Kraft getreten. Ziel ist es, dass alle in der EU produzierten und verwendeten Stoffe keinen negativen Einfluss auf Gesundheit und Umwelt haben.

Die Hager Group entwickelt, fertigt und vertreibt elektrotechnische Produkte. Im Sinne von REACH stellt die Hager Group „Erzeugnisse“ her und ist „nachgeschalteter Anwender“.

Wir vergewissern uns, dass unsere Lieferanten bei den Materialien und Komponenten, die sie uns liefern, alle Auflagen erfüllen.

Die Hager Group fühlt sich von jeher für die Umweltfreundlichkeit ihrer Produkte verantwortlich. Das Unternehmen hält alle Anforderungen von REACH ein.

Für die SVHC-Liste sowie gemäß REACH Artikel 33 geben wir unseren Kunden alle Angaben über besonders besorgniserregende Stoffe in unseren Produkten bekannt, wenn die Konzentration von mehr als 0,1 Massenprozent überschritten wird. In diesen Fällen sind diese Informationen in der SCIP-Datenbank verfügbar (<https://echa.europa.eu/de/scip-database>).

Wenn Sie zusätzliche Fragen haben, wenden Sie sich bitte an Ihre Vertriebspartner oder unseren E-Mail-Kontakt: Environmentaldata.europe@hagergroup.com.

Blieskastel, 07 August 2023



Klaus-Wolfgang Klingner
Director Corporate Standards and Business Environment - Hager Group