

Prepared for:

EDA Technology Shanghai Co.,Ltd

Building 29, Shengchuang Enterprise Park, No.1661 Jialuo Road, Jiading District, Shanghai, PRC

Product Name: ED-IPC3020

Model No.: ED-IPC3020

Date of Test: From May 08, 2024 to May 14, 2024

Date of Report: May 14, 2024

Report Number: HK2405087080-1RR

Prepared by:

Shenzhen HUAK Testing Technology Co., LTD.

1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

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Applicant:	EDA Techn	ology Shanghai Co.,Ltd		
Address:	Building 29 Jiading Dis	, Shengchuang Enterpris trict, Shanghai, PRC	se Park, No.1661	Jialuo Road,
Manufacturer:	EDA Techn	ology Shanghai Co.,Ltd		
Address:		, Shengchuang Enterpris trict, Shanghai, PRC	se Park, No.1661	Jialuo Road,
The following sample was	submitted and i	dentified by/on behalf of	the client as:	
Product Name:	ED-IPC3020	o mar i		
Model No.:	ED-IPC3020	0		
Trade Mark:	EDA			
Sample Receiving Date:	May 08, 202	4		
Testing Period:	From May 08	8, 2024 to May 14, 2024		
Results:	Please refe	r to next page(s).		
*********	**************	**********	*******	*********
Summary of Test Results:				
Test Requested:	According to custo Cd, Hg, Cr(VI), PB	mer's requirements, Split t Bs & PBDEs, DBP, BBP, I	he sample and de DEHP, DIBP conte	etermine the Pb, ent of the parts.
Conclusion: tl	Base upon the per he limits as set by 2011/65/EU (RoH	formed tests by submitted Directive (EU) 2015/863 - S 2.0) Annex II.	sample, the test re Amendment of E	esults comply with U RoHS Directive
************	******	**********	*******	*****
Signed for and on behalf of I	HUAK			
MIAN P	,			
To	son Yhou			
Approved by:		K TESTING HURK TESTING (1)		
l ab	Manager	(II)		



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Information of the Test Laboratory

Shenzhen HUAK Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization:

A2LA Accreditation Code is 4781.01.

FCC Designation Number is CN1229.

Canada IC CAB identifier is CN0045.

CNAS Registration Number is L9589.

CPSC Certification Number is 1710.

Test Method:

- 1. Sample prepared with reference to IEC 62321-1:2013 / IEC 62321-2:2021
- 2. Sample Screening testing with reference to IEC 62321-3-1:2013
- 3. Wet Chemical Test Method
 - a. Determination of Lead, Cadmium by ICP-OES with reference to IEC 62321-5:2013
 - b. Determination of Mercury by ICP-OES with reference to IEC 62321-4:2013+AMD1:2017
 - c. Determination of Hexavalent Chromium in colourless and coloured corrosion-protected coatings on metals by UV-VIS method reference to IEC 62321-7-1:2015
 - d. Determination of Hexavalent Chromium in polymers and electronics by UV-Vis Method with reference to IEC 62321-7-2:2017.
 - e. Determination of PBBs and PBDEs by GC-MS with reference to IEC 62321-6:2015
 - f. Determination of DBP, BBP, DEHP and DIBP by GC-MS with reference to IEC 62321-8:2017



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	X TESTING	Pb	BL	HUAKTE	Comply
	(C) HUANG	Cd	BL		Comply
		Hg	BL	LAK TESTING	Comply
	TING TESTING	Cr(VI)	BL O	HO.	Comply
HUAK'I	White, blue label	PBBs	BL	HUAK IL	Comply
	Write, blue label	PBDEs	BL		Comply
	30	DBP		G	NA
	3 HUAKTESTING	BBP	WILLY TESTING	TESTIN	NA
	0	DEHP		<u></u>	NA
		DIBP		V TESTING	NA
	MAKTESTIL	Pb	BL	O HUM	Comply
	(a)	Cd	BL	me	Comply
		Hg Hg	BL	HUAK TESTI	Comply
	STING WAYTESTING	Cr(VI)	BL	OK TESTIN	Comply
HUM	NAME :	PBBs	BL	Marian Marian	Comply
2	White, grey coating	PBDEs	BL		Comply
	3 STING	DBP	CTING	STING	NA _sm ^G
	HUAKTES	BBP	HUAK TEE	LIU AK TEL	NA
		DEHP			NA
	TING	DIBP	TING_	- WAK TESTING	NA
	HUAKTES	Pb	BL	<u> </u>	Comply
		Cd	BL	TESTING_	Comply
	ING TING	Hg Hg	BL 🚳	HUAK I	Comply
	HUAKTES	Cr(VI)	BL	HUAK TESTIN	Comply
9)	Silver metal	PBBs			NA NA
3	(substrate)	PBDEs			NA
	S V TESTING	DBP	NESTING	K TESTING	NA
	O HUAD	BBP	O HUA	MANAGE HUMAN	NA
		DEHP		TING	NA
	STING	DIBP	-STING	HUAK TE	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING	J.G	Pb	BL	OK TESTING	Comply
	HAKTESTING	(Cd	BL	MIA	Comply
,		Hg 💮 💮	BL	-NG	Comply
		Cr(VI)	BL	HUAK TESTI	Comply
1. XTE	Dlack white label	PBBs 75TMG	BL	X TESTIN	Comply
4	Black, white label	PBDEs	BL	ALL ALL	Comply
		DBP			NA
STIN	STING	BBP		CTNG	NA
UAK TES	HUAKTES	DEHP	HUAKTE	WAKTES	NA
A)G		DIBP			NA
ESTI	TING	Pb	BL	- WAXTESTI	Comply
	HUAK TES	Cd	BL	.	Comply
		Hg	BL	TESTING	Comply
	TING TING	Cr(VI)	BL	MAK .	Comply
5	Digale vallous label	PBBs	BL	HUAKTESTI	Comply
5	Black, yellow label	PBDEs	BL		Comply
		DBP			NA
OK TESTIN	S AK TESTING	BBP	AK-TESTING		NA
Nr.	O HOM	DEHP	O HUN-	110m	NA
STING		DIBP		-SING	NA
	X TESTING	Pb	BL	HUAK	Comply
	MIAN.	Cd	BL	(Comply
		Hg	BL	HAKTESTING	Comply
TE TE	TING WIESTING	Cr(VI)	BL	HO	Comply
HUAK	Cilverserve	PBBs	HIAN	HUAK	NA
6	Silver screw	PBDEs			NA
m	Sim S	DBP	_{my} G	GING	NA
UAK TEST	HUAKTEST	BBP	HUAKTEST	PHAK TES !!	NA
		DEHP		<u> </u>	NA
ESTING	.o.G	DIBP	- NO	LOX TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	G	Pb	BL	OX TESTING	Comply
	WAKTESTING	Cd	BL	MINA	Comply
	9 100	Hg	BL	100-	Comply
		Cr(VI)	IN	N.D.	Comply
7 AKTE	Silver metal (long	PBBs	JAKTESTING (III)	AKTESTIM	NA
HOM	post)	PBDEs	3	MIN.	NA
		DBP			NA
	3 STING	BBP	STING	STING	NA
	HUAKTE	DEHP	HUAKTE	WAK TEL	NA
		DIBP			NA
ESI	TING	Pb	BL	WAK TESTI	Comply
	HUAKTES	Cd	BL		Comply
		Hg	BL	TESTING	Comply
	TING TING	Cr(VI)	IN _N	N.D.	Comply
NO AK TE	Silver metal (short	PBBs	M HUAKTES	HUAKTESTI	NA
8	post)	PBDEs		<u></u>	NA
		DBP			NA
	S AK TESTING	BBP	AK TESTING		NA
	O HOLD	DEHP	MIN	White	NA
		DIBP		-Sm ^G	NA
	X TESTING	Pb	BL	HUAK	Comply
	MIAN.	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
	STING TESTING	Cr(VI)	BL	TSTIM	Comply
HUAK	O'll can a second	PBBs	M HUAN	HUAK	NA
9	Silver screw	PBDEs			NA
	5 m/G	DBP	mG	G	NA
	HUAKTESTI	BBP	HUAK TESTI	THE OF TESTING	NA
	(iii)	DEHP		<u> </u>	NA
	-6	DIBP		A TESTING	NA



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
	LAK TESTING	(Cd	BL	MINAR	Comply
3	O HO	Hg	BL		Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
10	Silver metal gasket	PBBs (com/G	HAKTESTING (III)	OK TESTING	NA
10	Silver metal gasket	PBDEs		MI HUAN	NA
		DBP			NA
STIN	3 STING	BBP		STNG	NA
HUAKTED	HUAKTES	DEHP	HUAKTE	WAK TES	NA
J.G		DIBP			NA
TESTI	TING	Pb	BL	- WAK TESTIN	Comply
	HUARTES	Cd	BL	<u> </u>	Comply
E		Hg	BL	TESTING	Comply
	THE THE	Cr(VI)	BL 🌕	HUAK I	Comply
WIAK TE	The MANAGES A	PBBs	BL		Comply
11	Transparent plastic	PBDEs	BL	<u></u>	Comply
		DBP		N.D.	Comply
W TESTIN	3 XTESTING	BBP	KTESTING	N.D. TESTING	Comply
HUPA	O HUAN	DEHP	MINA	N.D.	Comply
STING		DIBP		N.D.	Comply
	Y TESTING	Pb Pb	BL	HUAK	Comply
	MILAN MILAN	Cd	BL	(Comply
		Hg	BL	JAK TESTING	Comply
	TING TESTING	Cr(VI)	BL	HO	Comply
HUAKT	White, black	PBBs	BL	HUAKT	Comply
12	coating (clear plastic)	PBDEs	BL		Comply
ent's	5 mg	DBP	₍₁₎ G	N.D.	Comply
HUAKTESTI	HUAKTESTA	BBP	HUAKTESTI	N.D.	Comply
		DEHP		N.D.	Comply
TESTING	a)G	DIBP	- EVA	N.D.	Comply

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
		Cd	BL	MINA	Comply
3		Hg	BL	mo-	Comply
		Cr(VI)	BL	HUAK TESTI	Comply
13	Silver metal	PBBs	MAKTESTING (III)	OK TESTIM	NA
	Silver metal	PBDEs	—	₩ HUN	NA
		DBP			NA
ESTIN		BBP	STING	CSTING	NA
HUAKTE		DEHP	HUAKTE	MAKIL	NA
-nJG		DIBP			NA
TESTI	STING	Pb	BL	HUAN TESTIN	Comply
		Cd	BL	<u></u>	Comply
¥ .		Hg	BL	TESTING	Comply
		Cr(VI)	IN _N	N.D.	Comply
14	Black coating (silver metal	PBBs	M HUAKTED	HUAKTEST	NA
14	screws)	PBDEs			NA
		DBP			NA
AK TESTIN		BBP	AN TESTING		NA
HOM		DEHP	O HO	W. HOL	NA
ESTING		DIBP		TESTING	NA
	AKTESTING	Pb	BL	HUAK	Comply
		Cd	BL	(Comply
		Hg	BL	WAK TESTING	Comply
TE		Cr(VI)	BL	TESTIN	Comply
15	Silver serow	PBBs	D HOM	HUAR.	NA
- 13	Silver screw	PBDEs			NA
TIN		DBP	TING		NA
HUAK TES.		BBP	HUAK TES.	HOAK TES	NA
		DEHP		<u></u>	NA
TESTING		DIBP	- Eller	LOX TESTING	NA

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REPOR	Г No.: HK2405087080-1I	RR Date	e: May 14, 2024		Page 9 of 53
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	.0	Pb	BL	V TESTING	Comply
	LAK TESTING	(Cd	AK TESTING BL	MUAN	Comply
	1 months	Hg	BL	(Comply
		Cr(VI)	BL	HUAKTESTIN	Comply
16	White block line	PBBs	BL BL	VIESTIN	Comply
10	White, black line	PBDEs	BL	MINIAN TO AN AND AND AND AND AND AND AND AND AND	Comply
		DBP			NA
	3 CTING	BBP	STING	STNG	NA
	HUAKTES	DEHP	HUAK TE	WUAK TES	NA
		DIBP			NA
TESTI	TING	Pb	BL	- WAKTESTI	Comply
	HUAKTES	Cd	BL	©	Comply
		Hg	BL	TESTING	Comply
	ING TING	Cr(VI)	BL _N 🚳	HIVAK I	Comply
17	White, black	PBBs	HUAK BL	HUAKTESTI	Comply
17	coating	PBDEs	BL	<u></u>	Comply
		DBP			NA
	S AKTESTING	BBP	OF TESTING		NA
	(C) HOW	DEHP	O HOW	W HOW	NA
		DIBP		-ESTING	NA
	N TESTING	Pb	W.TESTING BL	HUAK	Comply
	O HUM	Cd	BL	(Comply
		Hg	BL	"IAKTESTING"	Comply
	TING WIESTING	Cr(VI)	BL O	TESTIN	Comply
10	Cilvor motol	PBBs	MINIM	HUAK	NA
18	Silver metal	PBDEs			NA
	3 -TING	DBP		-TING	NA
	HUAKTES	BBP	HUAK TES	PARTES!	NA
		DEHP			NA
	ang.	DIBP	mio-	LAK TESTING	NA
		AND VIV	- C. V.	200 VVV	.0.37

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	V TESTING	Comply
	LAKTESTING	(Cd	BL	MIAN	Comply
	(a) HO.	Hg 💮 💮	BL	- NG	Comply
		Cr(VI)	BL	WAKTESTING	Comply
104TE	Cibra alk Testino	PBBs	JAKTESTING (III)	V TESTING	NA
19	Silver screw	PBDEs	3 HO	HUAN.	NA
		DBP			NA
	3 - CTING	BBP		CTING	NA
	HUAK TES	DEHP	HUAK TES	MAKTES	NA
		DIBP			NA
TESTINE	-TING	Pb	BL	MAYTESTA	Comply
	HUAK TES.	Cd	BL	• <u></u>	Comply
		Hg	BL	ESTING	Comply
	ale TING	Cr(VI)	BL 🌑	MAKAL	Comply
TO NAK TE	STILL HUAKTES!	PBBs	BL	HAKTESTILL	Comply
20	White plastic	PBDEs	BL	<u></u>	Comply
		DBP			NA
	3 IX TESTING	BBP STIME	N. TESTING		NA
	O HUM	DEHP	MINITED TO THE PARTY OF THE PAR	MINIMA	NA
		DIBP		-SING	NA
	"TESTING	Pb	TESTING BL	HUAK	Comply
	MUAN MUAN	Cd	BL		Comply
		Hg	BL	HAKTESTING	Comply
	TING WESTING	Cr(VI)	BL BL		Comply
MAKTE 04		PBBs	HUA.	HUAKI	NA
21	Silver metal pin	PBDEs			NA
	is myG	DBP	GING	ONE	NA
	HUAKTEST	BBP	HUAK TEST	THAK TEST	NA
	(1)	DEHP		<u> </u>	NA
	Stor	DIBP	- Sten	LAK TESTING	NA
		20 VIO	C. V*	ALC 100	-C-11



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	TESTING	Comply
	LAKTESTING	(Cd	BL	MINAR	Comply
	(a) HO.	Hg	BL	- NG	Comply
		Cr(VI)	BL	WAKTESTING	Comply
OO (TE	Dischariff Testing	PBBs	BL	V TESTING	Comply
22	Black wire cover	PBDEs	BL	AUAN HUAN	Comply
		DBP		N.D.	Comply
	3 - CTING	BBP		N.D.	Comply
	HUAK TES	DEHP	HUAK TES	N.D.	Comply
		DIBP		N.D.	Comply
TESTIN	TING	Pb	BL	WAYTESTIN	Comply
	HUAK TES.	Cd	BL	<u> </u>	Comply
		Hg	BL	ESTING	Comply
	NG THE	Cr(VI)	BL 🌕	MAKIL	Comply
OOK TE	D. T. HUAK TES	PBBs	BL		Comply
23	Red wire cover	PBDEs	BL	<u></u>	Comply
		DBP		N.D.	Comply
	3 AK TESTING	BBP	AK TESTING	N.D. TESTING	Comply
	O HOM	DEHP	MINITED AND THE PROPERTY OF TH	N.D.	Comply
		DIBP		N.D.	Comply
	V TESTING	Pb	BL	HUAK !	Comply
	MI HILAND	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
	STING WESTING	Cr(VI)	BL O	TESTIN	Comply
24	\$25,75 M/A	PBBs	MINA	HUAK	NA
24	Silver metal core	PBDEs			NA
	3 -m/G	DBP		-myG	NA
	HUAKTEST	BBP	HUAKTEST	THAT TES!	NA
		DEHP		<u></u>	NA
	a)G	DIBP	- NO-	LAX TESTING	NA
			- CAY	- W-	

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	OX TESTING	Comply
	MAKTESTING	Cd	BL	(1) HUM	Comply
	0,00	Hg	BL	mG (Comply
		Cr(VI)	BL	HUAK TEST	Comply
25	Green wire cover	PBBs	BL	OKTESTIN	Comply
25	Green wife cover	PBDEs	BL	MIN.	Comply
		DBP		N.D.	Comply
	STING	BBP	STING	N.D.	Comply
	HUAKTE	DEHP	HUAKTE	N.D.	Comply
		DIBP		N.D.	Comply
ESI	TING	Pb	BL	WAK TEST	Comply
	HUAKTES	Cd	BL		Comply
		Hg	BL	TESTING	Comply
	ING TING	Cr(VI)	BL 🌕	MAK	Comply
26	Dod wire cover	PBBs	BL	HUAKTESTI	Comply
20	Red wire cover	PBDEs	BL	<u></u>	Comply
		DBP		N.D.	Comply
	S AKTESTING	BBP	AN TESTING	N.D.	Comply
	(HOLD	DEHP	O HUND	N.D.	Comply
		DIBP		N.D.	Comply
	V TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL	(Comply
		Hg	BL	JAK TESTING	Comply
	TING TESTING	Cr(VI)	BL	HO.	Comply
HUAK	DIA HUAN	PBBs	BL	HUAKTA	Comply
27	Black wire cover	PBDEs	BL		Comply
	5G	DBP	mG	N.D.	Comply
	MAK TESTING	BBP	HUAK TESTI	N.D.	Comply
	(1)	DEHP		N.D.	Comply
	-10	DIBP		N.D.	Comply



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	.0	Pb	BL	W TESTING	Comply
	HAKTESTING	Cd	MY TESTING BL	MUAN	Comply
	10 m	Hg	BL	mG	Comply
		Cr(VI)	BL	HUAKTES I"	Comply
28	Yellow wire cover	PBBs	BL	OKTESTIN	Comply
20	reliow wire cover	PBDEs	BL	● HOW	Comply
		DBP		N.D.	Comply
	3 ESTING	BBP	STING	N.D.	Comply
	HUAKTE	DEHP	HUAKTE	N.D.	Comply
		DIBP		N.D.	Comply
ESTI	STING	Pb	BL	WAK TEST	Comply
	HUAKTES	Cd	BL	©	Comply
		Hg	BL	TESTING	Comply
	ING TING	Cr(VI)	BL 🌕	HATER	Comply
29	Silver metal core	PBBs	HUAKTES.	HUAKTESTI	NA
29	Silver metal core	PBDEs		<u></u>	NA
		DBP			NA
	3 OK TESTING	BBP	AN TESTING		NA
	(HOLD	DEHP	O HUND	White	NA
		DIBP		-STING	NA
	V. TESTING	Pb	BL	HUAK	Comply
	MINN.	Cd	BL		Comply
		Hg	BL	" IAK TESTING	Comply
	TING WIESTING	Cr(VI)	BL ®	TESTIN	Comply
HUAK	Cilver mental min	PBBs	FILLIAN	MIAK.	NA
30	Silver metal pin	PBDEs			NA
	3 TING	DBP			NA
	HUAKTESI	BBP	HUAKTES	PALAK TES I.	NA
		DEHP			NA
	-DG	DIBP		AKTESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	N TESTING	Comply
		(Cd	BL	MUANC	Comply
ò		Hg	BL	- NO	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
31	Plack plactic	PBBs (STATE	BL	OK TESTING	Comply
31	Black plastic	PBDEs	BL	MINING	Comply
		DBP		N.D.	Comply
STIN		BBP	STING	N.D.	Comply
WAKTER		DEHP	HUAKTE	N.D.	Comply
ΔG		DIBP		N.D.	Comply
EST	TING	Pb	BL	WAK TESTIN	Comply
		Cd	BL	<u></u>	Comply
		Hg	BL	TESTING	Comply
		Cr(VI)	BL ®	HIAK .	Comply
32	\M/bita plaatia	PBBs	BL	HUAKTESTIL	Comply
32	White plastic	PBDEs	BL	<u></u>	Comply
		DBP			NA
AK TESTIN		BBP	AK TESTING		NA STORE
IO M		DEHP	MINITED AND THE PROPERTY OF TH	White	NA
ESTING		DIBP		-SING	NA
	Y TESTING	Pb	TESTING BL	HUAK	Comply
		Cd	BL		Comply
		Hg	BL	MAKTESTING	Comply
-6		Cr(VI)	BL ®	TSTM	Comply
HUAK	Crow soft silve	PBBs	BL BL	HUAK	Comply
33	Grey soft glue	PBDEs	BL		Comply
-10		DBP	_{my} G	N.D.	Comply
UAKTESTI		BBP	HUAK TEST	N.D.	Comply
		DEHP	<u></u>	N.D.	Comply
ESTING		DIBP		N.D.	Comply

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
		Cd	BL	MINAR	Comply
à		Hg 💮 💮	BL	-nG	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
34	Croy aoft alua	PBBs (STATE	BL	AKTESTIN	Comply
34	Grey soft glue	PBDEs	BL	MIN.	Comply
		DBP		N.D.	Comply
STIN		BBP	STING	N.D.	Comply
MAKTER		DEHP	HUAKTE	N.D.	Comply
n)G		DIBP		N.D.	Comply
EST	STING	Pb	OL [®]	1.5*10 ⁴	Comply
		Cd	BL	<u></u>	Comply
		Hg	BL	TESTING	Comply
		Cr(VI)	BL O	MAK	Comply
35	Golden metal	PBBs	HUAKTES.	HUAKTEST	NA
33	Golden metal	PBDEs		<u></u>	NA
		DBP			NA
AK TESTIN		BBP	AN TESTING		NA ********
IO.		DEHP	O HUND	(1)	NA
ESTING		DIBP		-ESTING	NA
	X TESTING	Pb	BL	HUAK	Comply
		Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
-16		Cr(VI)	BL ®		Comply
26	Cilver cerev	PBBs	Manager	HUAK.	NA
36	Silver screw	PBDEs			NA
-7114		DBP			NA
WAKTESIN		BBP	HUAKTEST	PRAKTES!	NA
		DEHP			NA
ESTING.		DIBP	- Cha	OK TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
	LAK TESTINIS	Cd Cd	BL	MINAR	Comply
3	O HOW	Hg 💮 💮	BL		Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
37	Plack plactic	PBBs	IN	N.D.	Comply
31	Black plastic	PBDEs	IN	N.D.	Comply
		DBP			NA
STIN	3 STING	BBP	STING	STING	NA
HUAKTER	HUAKTE	DEHP	HUAKTE	<u>wak Tee</u>	NA
n)G		DIBP			NA
TESTI	STING	Pb	BL	WAK TESTIN	Comply
	HUAKTED	Cd	BL	·	Comply
3		Hg	BL	TESTING	Comply
	TING STING	Cr(VI)	BL	MAK	Comply
38	Black plastic	PBBs	BL	HUAKTEST	Comply
30	DIACK PIASTIC	PBDEs	BL	<u></u>	Comply
		DBP			NA
AK TESTIN	S AKTESTING	BBP	AN TESTING		NA
HOM	O HOLD	DEHP	O HOW	(1) HO	NA
TESTING		DIBP		TESTING	NA
	AK TESTING	Pb	BL	HUAK	Comply
	O HOLD	Cd	BL	(Comply
		Hg	BL	WAK TESTING	Comply
TE	STING OK TESTING	Cr(VI)	BL	TESTIN	Comply
39	Beige plastic frame	PBBs	MHUMAN IN	N.D.	Comply
- 38	Deige plastic traffle	PBDEs	IN	N.D.	Comply
TIN	3 TING	DBP	TING		NA
HUAK TES.	HUAK TES	BBP	HUAK TES.	HUAK TES	NA
.6		DEHP			NA
TESTING	-oiG	DIBP		LAX TESTING	NA



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REPURI	PORT No.: HK2405087080-1RR Date: May 14, 2024				
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Page 17 of 53 Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
	LAK TESTING	Cd	BL	MINAR	Comply
3	O HO	Hg 💮 💮	BL		Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
40	White plastic frame	PBBs	BL	AK TESTIM	Comply
40	write plastic frame	PBDEs	BL	● HUA	Comply
		DBP			NA
ESTIN	3 STING	BBP	STING	TING	NA
HUAKTE	HUAKTE	DEHP	HUAKTE	MAKTE	NA
, NG		DIBP		olg	NA
TESTI	STING	Pb	BL	HUAKTESTA	Comply
	HUAKTES	Cd	BL		Comply
kii		Hg	BL	TESTING	Comply
	THE STINE	Cr(VI)	BL 💿	MAK	Comply
41	Beige plastic frame	PBBs	HUAKTIN	N.D.	Comply
41	beige plastic frame	PBDEs	IN	N.D.	Comply
		DBP			NA
AK TESTIN	S ANTESTING	BBP	OFTESTING		NA
HOM	O HOW	DEHP	O HO	O HO	NA
TESTING		DIBP		TE TING	NA
	AK TESTING	Pb	BL	MAK	Comply
,	(I) HU	Cd	BL	(Comply
		Hg	BL	WAK TESTING	Comply
TE	TING OKTESTING	Cr(VI)	BL	TESTING	Comply
42	Black plastic frame	PBBs	IN IN	N.D.	Comply
74	Diack plastic frame	PBDEs	IN	N.D.	Comply
STIN	3 -cTNG	DBP		CTING	NA
HUAKTES	HUAK TES	BBP	HUAK TES	HEAR TES	NA
a.G		DEHP			NA
TESTINA	-miG	DIBP	mic-	HAK TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	-1G	Pb	BL	OK TESTING	Comply
	WAKTESTING	Cd	BL	O HOM	Comply
	9	Hg 💮 💮	BL	mis-	Comply
	.0.	Cr(VI)	BL	HUAKTES!	Comply
43	Black plastic	PBBs	BL	NY TESTING	Comply
43	black plastic	PBDEs	BL	● HUP	Comply
		DBP			NA
	5 STING	BBP	STING	TSTING	NA
	HUAKTE	DEHP	HUNKTE	MAKTE	NA
-nJG		DIBP			NA
TESTI	STING	Pb	BL	HUAYTESTI	Comply
	HUAKTEL	Cd	BL	·	Comply
		Hg	BL	TESTING	Comply
	THE STINE OF	Cr(VI)	BL 💮	HUAK	Comply
44	Black plastic	PBBs	BL	HUAKTEST	Comply
944	Black plastic	PBDEs	BL	<u></u>	Comply
		DBP			NA
	S AKTESTING	BBP	AR TESTING		NA
	(C) HOLD	DEHP	O HU	110 H	NA
		DIBP		-ESTING	NA
	AK TESTING	Pb	BL	HUAK	Comply
	O HUM	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
	TING KTESTING	Cr(VI)	BL		Comply
M HUAK	Plack silver toge	PBBs	BL	HUAK	Comply
45	Black, silver tags	PBDEs	BL		Comply
	3 TING	DBP			NA
	HUAKTEST	BBP	HUAKTES	THAK TES!	NA
		DEHP		<u> </u>	NA
	a)G	DIBP		OK TESTING	NA



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	W TESTING	Comply
	LAK TESTING	Cd Cd	BL	MUAN	Comply
	() HO	Hg	BL	- NG	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
46	Green PCB board	PBBs (STATE	IN	N.D.	Comply
40	Green PCB board	PBDEs	IN	N.D.	Comply
		DBP		N.D.	Comply
	3 CTING	BBP	STING	N.D.	Comply
	HUAKTES	DEHP	HUAKTE	N.D.	Comply
		DIBP		N.D.	Comply
ESTI	TING	Pb	BL	- WAKTESTI	Comply
	HUAKTES	Cd	BL	©	Comply
		Hg	BL	TESTING	Comply
	TING O	Cr(VI)	BL 🚳	HIAK I	Comply
47	Silver metal solder	PBBs	MAKTES.	WAKTESTIL	NA
47	joints	PBDEs		<u></u>	NA
		DBP			NA
	S VESTING	BBP	N. TESTING		NA *****
	(HOAR	DEHP	MINITED TO STATE OF THE PARTY O	White	NA
		DIBP		STING	NA
	TESTING	Pb	TESTING BL	HUAK	Comply
	O HUAN	Cd	BL		Comply
		Hg	BL	LAK TESTING	Comply
	TING TESTING	Cr(VI)	BL O	HO.	Comply
HUAKTE	HUAN	PBBs	BL	HUAKTE	Comply
48	Green plastic	PBDEs	BL		Comply
	Sim-	DBP	_{myG}	N.D.	Comply
	MAKTESTING	BBP	HUAKTESTI	N.D.	Comply
	(iii)	DEHP		N.D.	Comply
	- OG	DIBP		N.D.	Comply

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	OL [®]	2.1*10 ⁴	Comply
	LAKTESTING	(Cd	BL	MIAN	Comply
	O HU	Hg	BL	- NG	Comply
		Cr(VI)	BL	WAKTESTIN	Comply
10 KTE	Cibrarianatal	PBBs, TSTING	LAKTESTING (III)	V TESTING	NA
49	Silver metal	PBDEs	M HD	ALL HUAN	NA
		DBP			NA
	3 STING	BBP	STING	STNG	NA
	HUAKTES	DEHP	HUAKTE	WAK TES	NA
		DIBP			NA
TESTI	TING	Pb	BL	- WAKTESTIN	Comply
	HUAKTES	Cd	BL	•	Comply
		Hg	BL	TESTING	Comply
	THE THE	Cr(VI)	BL ®	Max .	Comply
50	Cilver motal apring	PBBs	HUAKTES	HUAKTESTI	NA
50	Silver metal spring	PBDEs		<u></u>	NA
		DBP			NA
	3 AKTESTING	BBP	AN TESTING		NA
	O HOLD	DEHP	O HOW	10 HO	NA
		DIBP		-ESTING	NA
	V. TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL	(Comply
		Hg	BL	WAY TESTING	Comply
	STING OK TESTING	Cr(VI)	BL	TESTIN	Comply
51	Silver motel sin	PBBs	MILITARY	HUAR	NA
- 51	Silver metal pin	PBDEs			NA
	5TING	DBP	TING		NA
	HUAKTES	BBP	HUAK TES.	HEAR TES	NA
		DEHP			NA
	a)G	DIBP	- Star	LOK TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING	16	Pb	BL	V TESTING	Comply
	MAKTESTINE	Cd	BL	MINA	Comply
3	O House	Hg	BL	-no	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
52	Dink plantin	PBBs 75 TMG	BL	XTESTAY	Comply
52	Pink plastic	PBDEs	BL	MUAN HUAN	Comply
		DBP		N.D.	Comply
STIN	3 STING	BBP		N.D.	Comply
HUAKTED	HUAKTES	DEHP	HUAK TES	N.D.	Comply
- iGi		DIBP		N.D.	Comply
TESTI.	TING	Pb	BL	- WAKTESTIN	Comply
	HUAK TES	Cd	BL	©	Comply
8		Hg	BL	TESTING	Comply
	TING TING	Cr(VI)	BL 🚳	HIAK .	Comply
53	Cilver metal	PBBs	HUAKTES.	HUAKTESTI	NA
53	Silver metal	PBDEs		<u></u>	NA
		DBP			NA
AK TESTIN	3 AK TESTING	BBP	AKTESTING		NA
HUAN	O HUAN	DEHP	MIND	White	NA
ESTING		DIBP		-SmyG	NA
	KTESTING	Pb	BL	HUAK	Comply
	MI ATTAN	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
TE TE	TING WIESTING	Cr(VI)	BL	TESTING	Comply
HUAK	Cilver metal anxis	PBBs	HUP.	HUAK	NA
54	Silver metal spring	PBDEs			NA
-10	3 ans	DBP	_{my} G		NA
HUAK TESTI	HUAKTESTA	BBP	HUAK TESTI	THAT TEST	NA
		DEHP		<u> </u>	NA
TESTING.	-16	DIBP		NY TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	TESTING	Comply
	LAKTESTING	(Cd	BL	MIAN	Comply
	O HOW	Hg	BL	- NG	Comply
		Cr(VI)	BL	WAKTESTING	Comply
FEXTE	Cibra as A tal air	PBBs (5100)	JAKTESTING (V TESTING	NA
55	Silver metal pin	PBDEs	3 HO	HUAN.	NA
		DBP			NA
	3 STING	BBP		CTING	NA
	HUAK TES	DEHP	HUAK TES	MAKTES	NA
	9	DIBP			NA
TESTIN	TING	Pb	BL	WAYTESTA	Comply
	HUAK TES	Cd	BL	• <u></u>	Comply
		Hg	BL	ESTING	Comply
	THE THE	Cr(VI)	BL 🌕	HUAKTE	Comply
E LAK TE	Multi-colour	PBBs	BL		Comply
56	printing (White sticker)	PBDEs	BL	<u></u>	Comply
	,	DBP			NA
	3 WESTING	BBP	N. TESTING		NA
	(HIDE	DEHP	MINITED TO THE PARTY OF THE PAR	MINIMA	NA
		DIBP		-SING	NA
	V TESTING	Pb	, TESTING BL	HUAK -	Comply
	MINA.	Cd	BL	(Comply
		Hg	BL	HAKTESTING	Comply
	TING WESTING	Cr(VI)	BL ®		Comply
MAKTE	CELESTON .	PBBs	BL BL	HUAKI	Comply
57	Black, red label	PBDEs	BL		Comply
	3 m/G	DBP	GU/G	ONE	NA
	HUAKTESI	BBP	HUAK TEST	THAK TEST	NA
	(W)	DEHP		<u> </u>	NA
	-alG	DIBP	- elen	LOK TESTING	NA
TESTING	- SVA	TNG		MAX TESTING	



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING	.a	Pb	BL	N TESTING	Comply
	"IAK TESTING	Cd	BL	MINA	Comply
3		Hg 💮 💮	BL	-no	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
58	Black PCB board	PBBs	IN	N.D.	Comply
36	DIACK PCB DUAIU	PBDEs	IN	N.D.	Comply
		DBP		N.D.	Comply
STA	STING	BBP	STING	N.D.	Comply
HUAKTES	HUAKTEL	DEHP	HUAKTE	N.D.	Comply
n/G		DIBP		N.D.	Comply
(ESI	STING	Pb	BL	WAK TEST	Comply
	HUAKTES	Cd	BL	©	Comply
23		Hg	BL	TESTING_	Comply
	THE TIME	Cr(VI)	BL 🌕	Mak .	Comply
59	Silver metal solder	PBBs	M HUAKTES	HUAKTEST	NA
59	joints	PBDEs			NA
		DBP			NA
N TESTIN	3 AKTESTING	BBP	AK TESTING		NA
HOM	O HOM	DEHP	O HUND	White	NA
ESTING		DIBP		-STING	NA
	AK TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL	(Comply
		Hg	BL	MAKTESTINE	Comply
TE	TING OF TESTING	Cr(VI)	BL ®	TESTIN	Comply
MAK .	CD cord	PBBs	BL	HUAK .	Comply
60	SD card	PBDEs	BL		Comply
7115	S TING	DBP	_{TIN} G		NA
HUAK TEST	HUAKTES	BBP	HUAK TEST	PLANTES!	NA
		DEHP		<u></u>	NA
TESTING.	a)G	DIBP	- SVan	LOK-TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	e)G	Pb	BL	OK TESTING	Comply
	MAKTESTING	© Cd	BL	Mary	Comply
	(a)	Hg 💮 💮	BL		Comply
		Cr(VI)	IN	N.D.	Comply
61	Black coating	PBBs	TAK TESTING	AK TESTING	NA
01	(Silver metal)	PBDEs	D 100	THIN HOLD	NA
		DBP			NA
	3 STING	BBP	STING	STING	NA
	HUAK TEC	DEHP	HUAKTE	WAK TEL	NA
		DIBP			NA
TEST	TING	Pb	BL	WAY TEST	Comply
	HUAKTES	Cd	BL	·	Comply
		Hg	BL	TESTING	Comply
	me cme	Cr(VI)	BL O	MAK	Comply
62	Silver foam	PBBs	BL	HUAKTEST	Comply
02	Silver Idam	PBDEs	BL	<u></u>	Comply
		DBP			NA
	S AKTESTING	BBP	AN TESTING		NA
	(C) HOLD	DEHP	O HUND	(1)	NA
		DIBP		-ESTING	NA
	N TESTING	Pb	BL	HUAK	Comply
	O HILI	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
	TING OKTESTING	Cr(VI)	BL	TESTING	Comply
63	oomere	PBBs	BL	HUNK.	Comply
03	camera	PBDEs	BL		Comply
	5 -TING	DBP		-myG	NA
	HUAKTES	BBP	HUAK TES.	HOW TES	NA
		DEHP			NA
	n/G	DIBP	- NO-	LAK TESTING	NA



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	AK TESTING	Comply
		Cd	BL	Mun	Comply
3		Hg 🔎 💮	BL	TING	Comply
		Cr(VI)	BL	HUAK TES!	Comply
64	Black wire	PBBs	BL	OKTESTIN	Comply
	DidCK WIIC	PBDEs	BL	C HOW	Comply
		DBP			NA
ESTIN		BBP	STING	ESTING	NA
HUAKTE		DEHP	HUAKTE	MAKTE	NA
		DIBP			NA

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Remark:

(1) (a) When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively, When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.

(b)Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr (VI)) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013 (unit: mg/kg)

Element	Polymer	Metal	Composite Materials
04	BL≤(70-3σ) <x<(130+3σ)< td=""><td>BL≤(70-3σ)<x<(130+3σ)< td=""><td>LOD 4V 4/450+2=) 40L</td></x<(130+3σ)<></td></x<(130+3σ)<>	BL≤(70-3σ) <x<(130+3σ)< td=""><td>LOD 4V 4/450+2=) 40L</td></x<(130+3σ)<>	LOD 4V 4/450+2=) 40L
Cd	≤OL ≤OL		LOD <x<(150+3σ) td="" ≤ol<=""></x<(150+3σ)>
TESTING DIE	BL≤(700-3σ) <x<(1300+3σ)< td=""><td>BL≤(700-</td><td>BL≤(500-</td></x<(1300+3σ)<>	BL≤(700-	BL≤(500-
Pb	≤OL	3σ) <x<(1300+3σ) td="" ≤ol<=""><td>3σ)<x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)>	3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)>
NG II.	BL≤(700-3σ) <x<(1300+3σ)< td=""><td>BL≤(700-</td><td>BL≤(500-</td></x<(1300+3σ)<>	BL≤(700-	BL≤(500-
Hg	≤OL	3σ) <x<(1300+3σ) td="" ≤ol<=""><td>3σ)<x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)>	3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)>
Br HUN	BL≤(300-3σ) <x< td=""><td>HUAKTES</td><td>BL≤(250-3σ)<x< td=""></x<></td></x<>	HUAKTES	BL≤(250-3σ) <x< td=""></x<>
Cr	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ)<x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<></td></x<>	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<>	BL≤(500-3σ) <x< td=""></x<>

- (c) BL = Below warning value, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection, -- = Not Regulated, NA = Not Applicable.
- (d) The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- (2) (a) 1mg/kg = 1ppm = 0.0001%, N.D.= Not Detected (<MDL), --- = Not Conducted.
 - (b) Unit and Method Detection Limit (MDL) in wet chemical test

Test Items	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Units	mg/kg						
MDL	2	2	2	100	100	100	100

The MDL for single compound of PBBs & PBDEs is 5 mg/kg, MDL of Cr(VI) for polymer & composite sample is 2 mg/kg and MDL of DBP, BBP, DEHP and DIBP is 30mg/kg.

(c) When Cr(VI) for metal sample is testing according to IEC 62321-7-1:2015, the unit is μg/cm², and the MDL is 0,10 μg/cm². When the Cr (VI) concentration is > the 0,13 μg/cm², the sample is positive for Cr(VI) and considered to contain Cr(VI); when the Cr (VI) concentration is N.D.(< the 0,10 μg/cm²), the sample is negative for Cr(VI) and considered a non-Cr(VI) based coating; when the Cr (VI) concentration is ≥ the 0,10 μg/cm² and ≤ the 0,13 μg/cm², the result is considered to be inconclusive - Unavoidable coating variations may influence the determination.



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- (d) [®]RoHS Exemption: 6(c), Copper alloy containing up to 4 % lead by weight.
- (e) For necessary wet chemistry measurements (flame retardants, phthalates) components with a weight of less than 0.1 grams are not considered for testing and rating due to technical measurement reasons.

(3) The maximum permissible limit is quoted from the Directive (EU) 2015/863 - Amendment of EU RoHS Directive 2011/65/EU (RoHS 2.0) Annex II.

RoHS Restricted Substances	Maximum Concentration Value (by weight in homogenous materials)		
Lead (Pb)	0.1%		
Cadmium (Cd)	0.01%		
Mercury (Hg)	0.1%		
Hexavalent Chromium (Cr VI)	0.1%		
Polybrominated biphenyls (PBBs)	0.1%		
Polybrominated diphenylethers (PBDEs)	0.1%		
Dibutyl Phthalate (DBP)	0.1%		
Benzylbutyl Phthalate (BBP)	0.1%		
Bis-(2-ethylhexyl) Phthalate (DEHP)	0.1%		
Diisobutyl Phthalate (DIBP)	0.1%		



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Exemptions	
RoHS Directive 2011/65/EU ANNEX III and (EU	J)2017/2102
Exemption Items	Expires Date
Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):	HUAN TESTING
1(a), For general lighting purposes < 30 W:3,5 mg	Expires on 24 February 2023
1(b), For general lighting purposes≥ 30 W and < 50W:3,5mg	Expires on 24 February 2023
1(c), For general lighting purposes ≥ 50 W and < 150 W: 5 mg	Expires on 24 February 2023
1(d), For general lighting purposes ≥ 150 W: 15 mg	Expires on 24 February 2023
1(e), For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm: 7 mg	Expires on 24 February 2023
1(f)-I,For lamps designed to emit mainly light in the ultraviolet spectrum: 5 mg	Expires on 24 February 2027
1(f)-II,For special purposes: 5 mg	Expires on 24 February 2025
1(g),For general lighting purposes < 30 W with a lifetime equal or above 20000 h: 3,5 mg	Expires on 24 August 2023
2(a),Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):	O HUAN
2(a)(1),Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4 mg	Expires on 24 February 2023
2(a)(2),Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 3 mg	Expires on 24 August 2023
2(a)(3),Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and ≤ 28 mm (e.g. T8):3.5mg	Expires on 24 August 2023
2(a)(4),Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 5 mg	Expires on 24 February 2023
2(a)(5),Tri-band phosphor with long lifetime (≥ 25 000 h): 5 mg	Expires on 24 February 2023
2(b), Mercury in other fluorescent lamps not exceeding (per lamp):	TIME
2(b)(1),Linearhalophosphate lamps with tube > 28 mm (e.g. T10 and T12): 10 mg	Expires on 13 April 2012
2(b)(2),Non-linear halophosphate lamps (all diameters): 15 mg	Expires on 13 April 2016
2(b)(3),Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9):15mg	Expires on 24 February 2023; 10 mg may be used per lamp from 25 February 2023 until 24 February 2025
2(b)(4) -I, Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg	Expires on 24 February 2025
2(b)(4) -II, Lamps emitting mainly light in the ultraviolet spectrum: 15 mg	Expires on 24 February 2027
2(b)(4) -III, Emergency lamps: 15 mg	Expires on 24 February 2027
3, Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp):	LAK TESTING



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Exemption	ons
RoHS Directive 2011/65/EU ANI	NEX III and (EU)2017/2102
Exemption Items	Expires Date
3(a), Short length (≤500 mm):3.5mg	Expires on 24 February 2025
3(b), Medium length (> 500 mm and ≤ 1 500 mm):5mg	Expires on 24 February 2025
3(c), Long length (> 1 500 mm):13mg	Expires on 24 February 2025
4(a), Mercury in other low pressure discharge lamps (per la	mp):15mg Expires on 24 February 2023
4(a)-I,Mercury in low pressure non-phosphor coated discha where the application requires the main range of the lamps to be in the ultraviolet spectrum: up to 15 mg mercury may lamp	pectral output Expires on 24 February 2027
4(b), Mercury in High Pressure Sodium (vapour) lamps for opurposes not exceeding (per burner) in lamps with improve rendering index Ra > 80: P ≤ 105 W: 16 mg may be used per solution.	d colour Expires on 24 February 2027
4(b) -I,rendering indexRa > 60:P ≤155 W:30mg	Expires on 24 February 2023
4(b) -II,rendering index Ra > 60:155 W < P ≤ 405 W:40mg	Expires on 24 February 2023
4(b) -III,rendering index Ra > 60: P > 405 W:40mg	Expires on 24 February 2023
4(c),Mercury in other High Pressure Sodium (vapour) lamps general lighting purposes not exceeding (per burner):	s for
4(c)-I,P ≤ 155 W:20mg	Expires on 24 February 2027
4(c)-II,155 W < P ≤ 405 W:25mg	Expires on 24 February 2027
4(c)-III,P> 405 W:25mg	Expires on 24 February 2027
4(d),Mercury in High Pressure Mercury (vapour) lamps (HP	MV) Expires on 13 April 2015
4(e),Mercury in metal halide lamps (MH)	Expires on 24 February 2027
4(f)-I,Mercury in other discharge lamps for special purposes specifically mentioned in this Annex	Expires on 24 February 2025
4(f)-II,Mercury in high pressure mercury vapour lamps used where an output ≥ 2000 lumen ANSI is required	Expires on 24 February 2027
4(f)-III,Mercury in high pressure sodium vapour lamps used lighting	for horticulture Expires on 24 February 2027
4(f)-IV,Mercury in lamps emitting light in the ultraviolet spec	4 22 1
4(g),Mercury in hand crafted luminous discharge tubes used decorative or architectural and specialist lighting and light-a the mercury content shall be limited as follows: (a) 20 mg pair + 0,3 mg per tube length in cm, but not more than 80 m applications and indoor applications exposed to temperatur 20 °C; (b) 15 mg per electrode pair + 0,24 mg per tube length in craft and 20 mg, for all other indoor applications	rtwork, where er electrode ig, for outdoor es below Expires on 31 December 2018
than 80 mg, for all other indoor applications. 5(a), Lead in glass of cathode ray tubes	91 10031 10031
5(b), Lead in glass of fluorescent tubes not exceeding 0,2 %	by weight
o(b), Lead in glass of ildolescent tubes not exceeding 0,2 7	b by weight

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Exemptions	
RoHS Directive 2011/65/EU ANNEX III and (EU)2017/2102
Exemption Items	Expires Date
6(a), Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0,35 % lead by weight	HUAK TESTING
6(a)-I,Lead as an alloying element in steel for machining purposes containing up to 0,35 % lead by weight and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight	WITESTING HUAN, IS
6(b),Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	TESTING ON TESTING
6(b)-I, Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	O HULL O HU
6(b)-II, Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	dep de
6(c), Copper alloy containing up to 4 % lead by weight	- MAKTES!
7(a), Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
7(b), Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications	HUM TESTING HUM TESTING
7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound	K.TESTING
7(c)-II, Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	HUAK TESTRUS HUAK TESTRUS
7(c)-III, Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC	Expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013
7(c)-IV, Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors	Expires on: -21 July 2021 for categories 1-7 and 10; -21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;
HUAN TESTING HUAN TESTING HUAN	-21 July 2023 for category 8 in vitro diagnostic medical devices; -21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.
8(a), Cadmium and its compounds in one shot pellet type thermal cut-offs	Expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before 1 January 2012
8(b), Cadmium and its compounds in electrical contacts	V TESTING

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Exemptions	Dim Dim
RoHS Directive 2011/65/EU ANNEX III and (EU)2017/2102
Exemption Items	Expires Date
8(b)-I,Cadmium and its compounds in electrical contacts used in: - circuit breakers, - thermal sensing controls, - thermal motor protectors (excluding hermetic thermal motor protectors), - AC switches rated at: 6 A and more at 250 V AC and more, or 12 A and	HUAY TESTING HUAY TESTING
more at 125 V AC and more, - DC switches rated at 20 A and more at 18 V DC and more, and - switches for use at voltage supply frequency ≥ 200 Hz	HUAY TESTING HUAY TESTING
9, Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0,75 % by weight in the cooling solution	
9(a)-I,Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion agent in the cooling solution of carbon steel cooling systems of absorption refrigerators (including minibars) designed to operate fully or partly with electrical heater, having an average utilizedpower input < 75 W at constant running conditions	Applies to categories 1-7 and 10 and expires on 5 March 2021.
9(a)-II,Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion agent in the cooling solution of carbon steel cooling systems of absorption refrigerators: - designed to operate fully or partly with electrical heater, having an average utilised power input ≥ 75 W at constant running conditions, - designed to fully operate with nonelectrical heater.	Applies to categories 1-7 and 10 and expires on 21 July 2021.
9(a)-III,Up to 0,7 % hexavalent chromium by weight, used as an anticorrosion agent in the working fluid of the carbon steel sealed circuit of gas absorption heat pumps for space and water heating	Applies to category 1 and expires on 31 December 2026.
9(b), Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications	Applies to categories 8, 9 and 11; expires on: - 21 July 2023 for category 8 in vitro diagnostic medical devices, - 21 July 2024 for category 9 industrial monitoring and control instruments and for category 11, - 21 July 2021 for other subcategories of categories 8 and 9.
9(b)-(I),Lead in bearing shells and bushes for refrigerant-containing hermetic scroll compressors with a stated electrical power input equal or below 9 kW for heating, ventilation, air conditioning and refrigeration (HVACR) applications	Applies to category 1; expires on 21 July 2019.
11(a), Lead used in C-press compliant pin connector systems	May be used in spare parts for EEE placed on the market before 24 September 2010



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	Exemptions	
RoHS Directive	2011/65/EU ANNEX III and (EU)2017/2102
Exemption Items		Expires Date
11(b), Lead used in other than C-press co	mpliant pin connector systems	Expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013
12, Lead as a coating material for the ther	mal conduction module C-ring	May be used in spare parts for EEE placed on the market before 24 September 2010
13(a), Lead in white glasses used for option	cal applications	Applies to all categories; expires on: - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments and for category 11; - 21 July 2021 for all other categories and subcategories
13(b), Cadmium and lead in filter glasses standards	and glasses used for reflectance	Applies to categories 8, 9 and 11; expires on: - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments and for category 11; - 21 July 2021 for other subcategories of categories 8 and 9
13(b)- (I),Lead in ion coloured optical filter	glass types	TESTING
13(b)- (II),Cadmium in striking optical filter applications falling under point 39 of this A		O HON
13(b)- (III),Cadmium and lead in glazes us	- MA	TESTING
14, Lead in solders consisting of more that connection between the pins and the pack lead content of more than 80 % and less the solution of t	age of micropro-cessors with a	Expired on 1 January 2011 and after that date may be used in spare parts for EEE placed on the market before 1 January 2011
MUNICIESTING HUARTESTING OF IN	HUAKTESTING HUAKTESTING ON	Applies to categories 8, 9 and 11 and expires on: - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial
15, Lead in solders to complete a viable e semiconductor die and carrier within integ		monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9
TESTING HUANT		industrial monitoring and control instruments, and for category 11.



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Exemptions	EVen Sum
RoHS Directive 2011/65/EU ANNEX III and (EU)	2017/2102
Exemption Items	Expires Date
15(a),Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies:- a semiconductor technology node of 90 nm or larger; - a single die of 300 mm2 or larger in any semiconductor technology node; - stacked die packages with die of 300 mm2 or larger, or silicon interposers of 300 mm2 or larger	Applies to categories 1 to 7 and 10 and expires on 21 July 2021.
16, Lead in linear incandescent lamps with silicate coated tubes	Expires on 1 September 2013
17, Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications	
18(a), Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as speciality lamps for diazoprinting reprography, lithography, insect traps,photochemical and curing processes containing phosphors such as SMS ((Sr,Ba)2MgSi2O7:Pb)	HUAN TESTING
	Expires on: - 21 July 2021 for categories 1-7 and 10; - 21 July 2021 for categories 8 and 9 other than in vitro
18(b), Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi ₂ O ₅ :Pb)	diagnosticmedical devices and industrial monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control
HOLE HOLE MALE	instruments, and for category 11.
18(b)-I,Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lampscontaining phosphors such as BSP (BaSi2O5:Pb) when used in medical phototherapy equipment	Applies to categories 5 and 8, excluding applications covered byentry 34 of Annex IV, and expires on 21 July 2021.
19,Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSnHg as auxiliary amalgam in very compact energy saving lamps (ESL)	Expires on 1 June 2011
20,Lead oxide in glass used for bonding front and rear substrates of flat fluorescent lamps used for Liquid Crystal Displays (LCDs)	Expires on 1 June 2011



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Die Die	Exemptions	Dir. Dir. Dir.
RoHS [Directive 2011/65/EU ANNEX III	and (EU)2017/2102
Exemption Items		Expires Date
21, Lead and cadmium in printing glasses, such as borosilicate and		Applies to categories 8, 9 and 11 and expires on: - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.
21(a),Cadmium when used in colo functions, used as a component ir displays and control panels of EEI	lighting applications installed in	Applies to categories 1 to 7 and 10 except applications covered by entry 21(b) or entry 39 and expires on 21 July 2021
21(b),Cadmium in printing inks for such as borosilicate and soda lime		Applies to categories 1 to 7 and 10 except applications covered by entry 21(a) or 39 and expires on 21 July 2021.
21(c),Lead in printing inks for the aborosilicate glasses	application of enamels on other the	Applies to categories 1 to 7 and 10 and expires on 21 July 2021.
23, Lead in finishes of fine pitch copitch of 0,65 mm and less	omponents other than connectors	May be used in spare parts for EEE placed on the market before 24 September 2010
24, Lead in solders for the soldering and planar array ceramic multilaye		Expires on: - 21 July 2021 for categories 1-7 and 10, - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring
25, Lead oxide in surface conduct in structural elements, notably in t		D) used
26,Lead oxide in the glass envelo		Expires on 1 June 2011
27,Lead alloys as solder for transc (designated to operate for several dB SPL and above) loudspeakers	hours at acoustic power levels of	f 125 Expired on 24 September 2010



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STING	257110	mptions	STING
HUAK TE	RoHS Directive 2011/65/EU	J ANNEX III and (EU)	2017/2102
Exemption Items			Expires Date
TESTING WHUAKTESTING	WAY TESTING	HUAKTESTING	Expires on: - 21 July 2021 for categories 1-7 and 10; - 21 July 2021 for categories 8 and 9 other than in vitro
29, Lead bound in crysta and 4) of Council Directi	al glass as defined in Annex I (ive 69/493/EEC (¹)	(Categories 1, 2, 3	diagnosticmedical devices and industrial monitoring and ontrol instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9
LAKTESTING		LAK TESTINE	industrial monitoring and control instruments, and for category 11.
conductors located direct powered loudspeakers v	electrical/mechanical solder joi ctly on the voice coil in transdu with sound pressure levels of 1	icers used in high- 100 dB (A) and more	MAKTESTING SSTING
	aterials in mercury free flat fluc liquid crystal displays, design		HUAKTLE
	rit used for making window ass	semblies for Argon	Expires on: - 21 July 2021 for categories 1-7 and 10, - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial
and Krypton laser tubes	ESTING HUANTESTING	WHAT TESTING	monitoring and control instruments, - 21 July 2023 for category 8 in vitro diagnostic medical devices, - 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.
33, Lead in solders for the diameter and less in power.	he soldering of thin copper wire wer transformers	es of 100 µm	HUAN TESTING
3	TING HUNYTESTING	TIME WHO	Applies to all categories; expires on: - 21 July 2021 for categories 1-7
HUAKTES !!		O HARTE	and 10, - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic
34, Lead in cermet-base	ed trimmer potentiometer elem	ents HUANTESTING	medical devices and industrial monitoring and control instruments, - 21 July 2023 for category 8 in vitro diagnostic medical devices, - 21 July 2024 for category 9
TESTING		STING	industrial monitoring and control instruments, and for category 11.

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	Exemptions	
RoHS Directiv	ve 2011/65/EU ANNEX III and (EU))2017/2102
Exemption Items		Expires Date
36, Mercury used as a cathode sputtering with a content up to 30 mg per display	ng inhibitor in DC plasma displays	Expired on 1 July 2010
37, Lead in the plating layer of high voltaborate glass body	age diodes on the basis of a zinc	Expires on: - 21 July 2021 for categories 1-7 and 10; - 21 July 2021 for categories 8 and 9 other than in vitro diagnosticmedical devices and industrial monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.
38, Cadmium and cadmium oxide in thic bonded beryllium oxide	k film pastes used on aluminium	HUANTESTING
39(a), Cadmium selenide in downshifting nanocrystal quantum dots for use in disp Cd per mm2 of display screen area)		Expires for all categories on 31 October 2019
40, Cadmium in photoresistors for analo professional audio equipment	gue optocouplers applied in	Expires on 31 December 2013
41, Lead in solders and termination finis components and finishes of printed circuland other electrical and electronic engine technical reasons must be mounted direcylinder of hand-held combustion engine Directive 97/68/EC of the European Park	uit boards used in ignition modules e control systems, which for ctly on or in thecrankcase or es (classes SH:1, SH:2, SH:3 of liament and of the Council (2))	Applies to all categories and expires on: - 31 March 2022 for categories 1 to 7, 10 and 11; - 21 July 2021 for categories 8 and 9 other than in vitro diagnosticmedical devices and industrial monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments.
42,Lead in bearings and bushes of diese internal combustion engines applied in nequipment:- with engine total displacement total displacement < 15 litres and the enapplications where the time between significant required to be less than 10 seconds; or performed in a harsh and dirty outdoor econstruction, and agriculture applications	non-road professional use ent ≥ 15 litres; or - with engine gine is designed to operate in nal to start and full load is regular maintenance is typically environment, such as mining,	Applies to category 11, excluding applications covered by entry 6(c) of this Annex. Expires on 21 July 2024.





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Exemptions RoHS Directive 2011/65/EU ANNEX III and (EU)2017/2102				
43,Bis(2-ethylhexyl) phthalate in rubber components in engine systems, designed for use in equipment that is not intended solely for consumer use and provided that no plasticised material comes into contact with human mucous membranes or into prolonged contact with human skin and the concentration value of bis(2-ethylhexyl) phthalate does not exceed:	HUAKTESTING WHAKTESTING			
 a) 30 % by weight of the rubber for (i) gasket coatings; (ii) solid-rubber gaskets; or (iii) rubber components included in assemblies of at least three components using electrical, mechanical or hydraulic energy to do work, and attached to the engine b) 10 % by weight of the rubber for rubbercontaining components not 	Applies to category 11 and expires on 21 July 2024			
referred to in point (a). For the purposes of this entry, 'prolonged contact with human skin' means continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day	HUAK TESTING			
44,Lead in solder of sensors, actuators, and engine control units of combustion engines within the scope of Regulation (EU) 2016/1628 of the European Parliament and of the Council (4), installed in equipment used at fixed positions while in operation which is designed for professionals, but also used by non-professional users	Applies to category 11 and expires on 21 July 2024.			
45,Leaddiazide, lead styphnate, lead dipicramate, orange lead (lead tetroxide), lead dioxide in electric and electronic initiators of explosives for civil (professional) use and barium chromate in long time pyrotechnic delay charges of electric initiators of explosives for civil (professional) use	Applies to category 11 and expires on 20 April 2026			

** Modified History **

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2024/05/14	Jason Zhou
	- WAY TEST	- WAKTES!	
Y TESTING	AK TESTING	JAK TESTING (S)	Y TESTING LANTESTING



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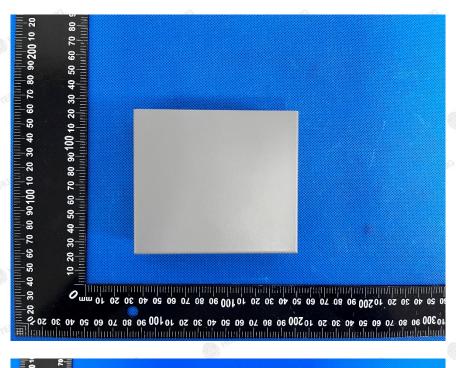
Photo(s) of the sample(s)

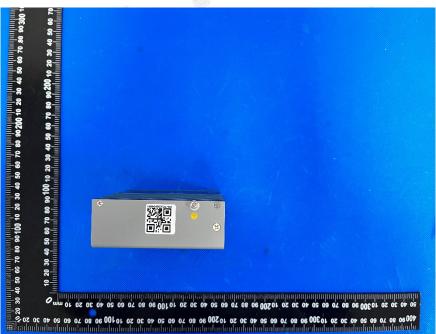






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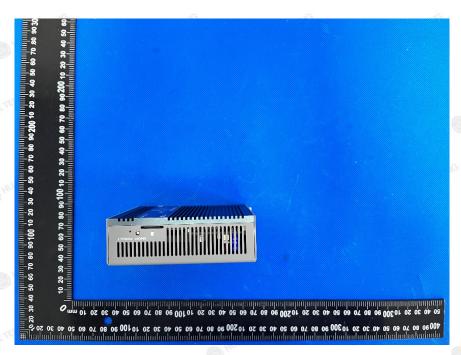
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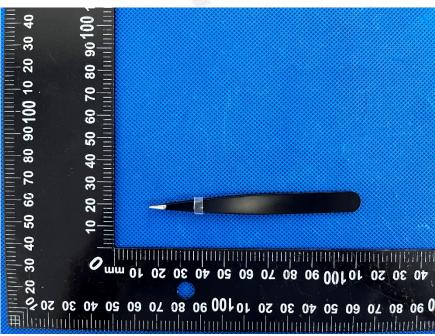






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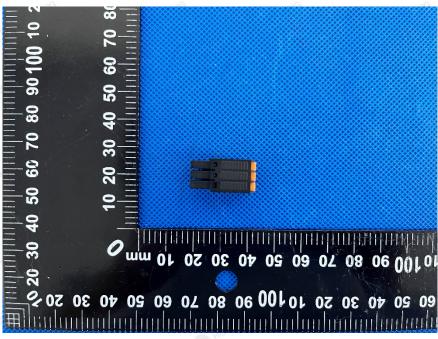




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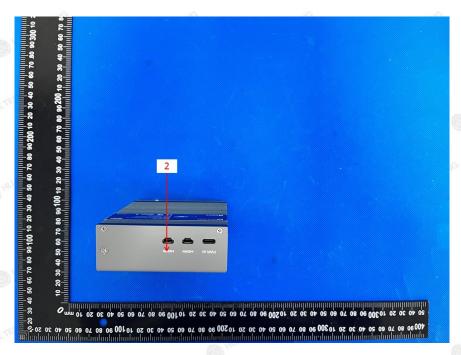
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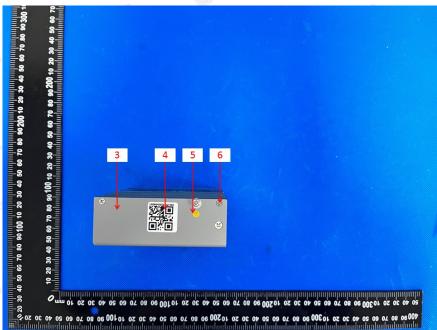






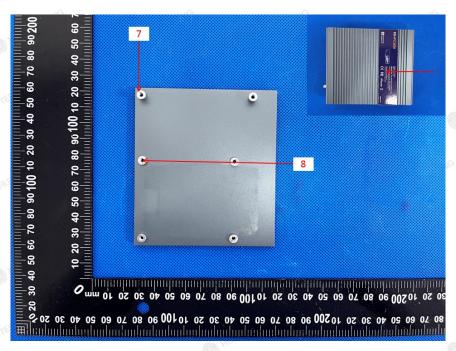
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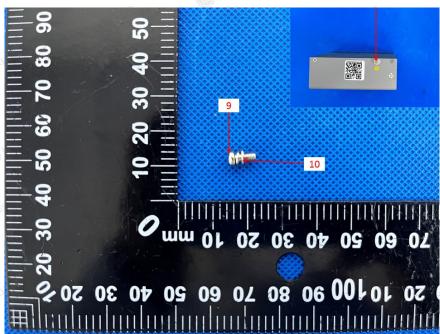






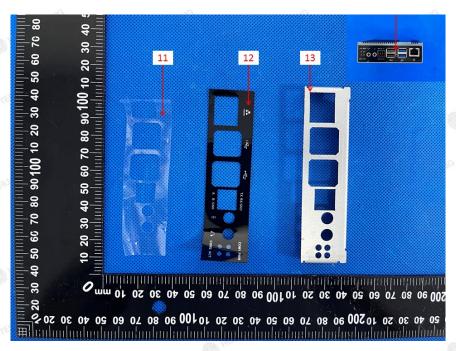
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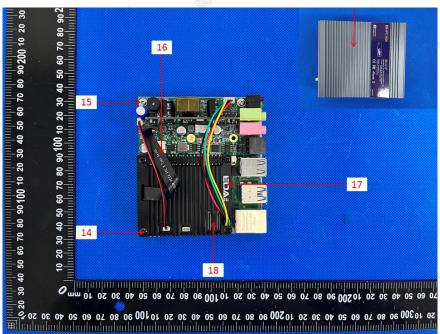






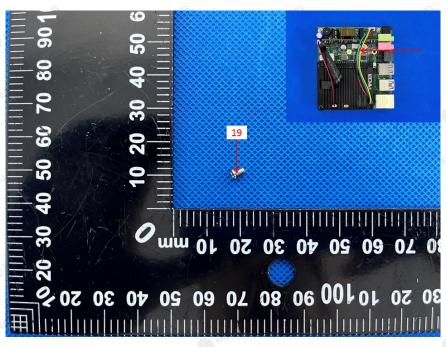
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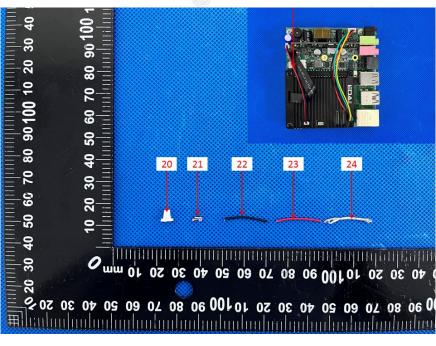






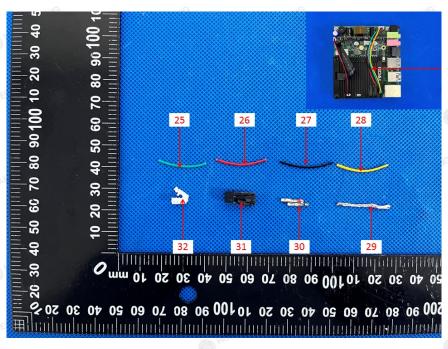
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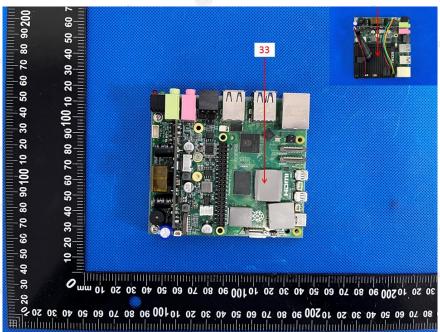






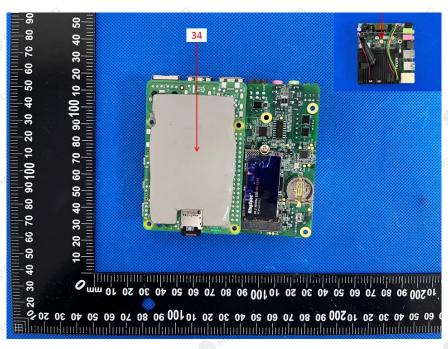
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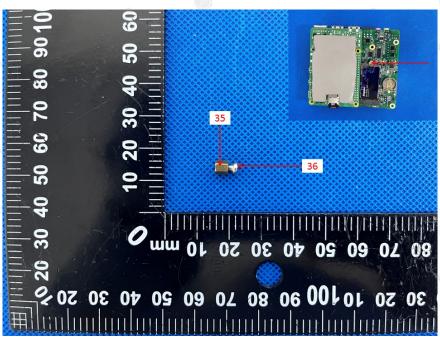






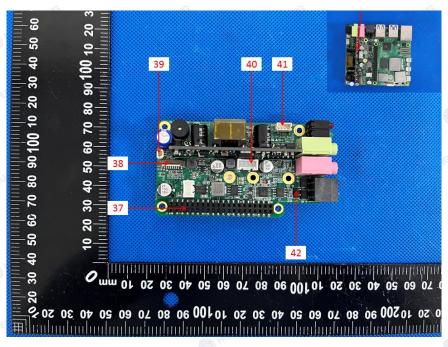
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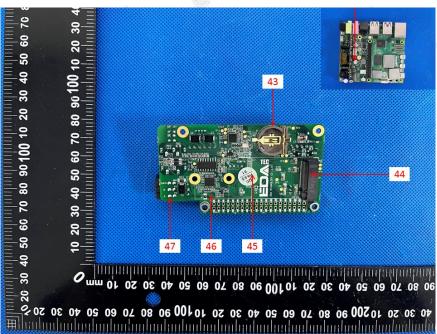






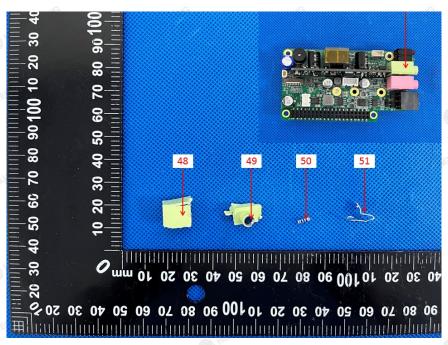
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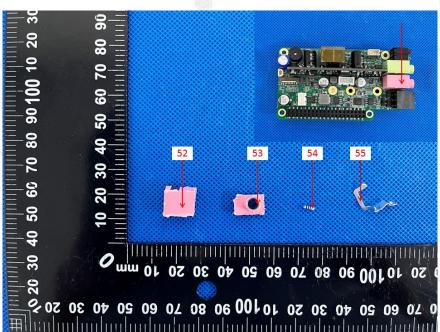






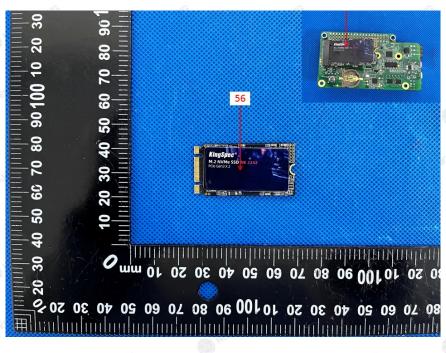
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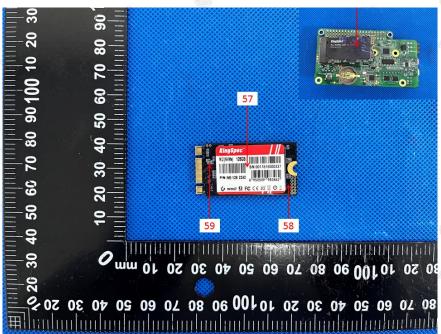






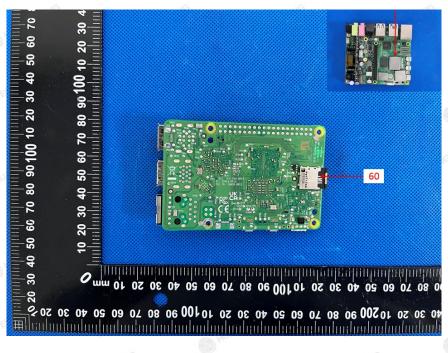
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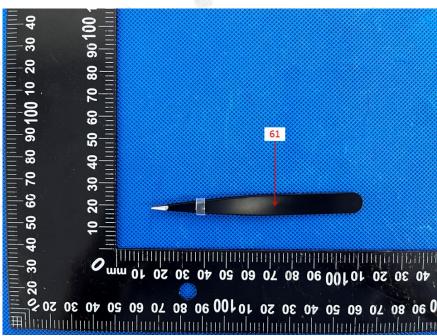






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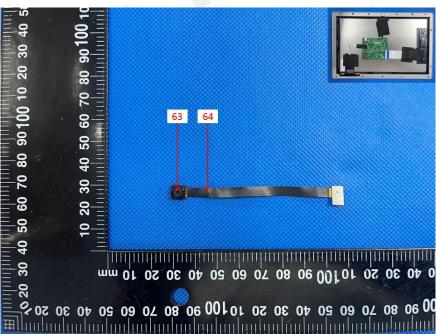






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*** End of Report ***

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