

Prepared for:

EDA Technology Shanghai Co.,Ltd

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

Product Name: ED-IPC2100

Model No.: ED-IPC2110, ED-IPC2120, ED-IPC2130, ED-IPC2140

Trade Mark:

Date of Test: From April 23, 2024 to April 28, 2024

Date of Report: May 06, 2024

Report Number: HK2404236351-1RR

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 Te	chnology Shang	hai Co.,Ltd		
Address:	`	g 29, Shengchua District, Shangh	•	ark, No.1661 J	lialuo Road,
Manufacturer:	EDA Te	chnology Shang	hai Co.,Ltd		
Address:	TIME	g 29, Shengchua District, Shangh	•	ark, No.1661 J	lialuo Road,
The following sample v	vas submitted aı	nd identified by/c	on behalf of the	client as:	
Product Name:	ED-IPC	2100			
Model No.:	ED-IPC	2110			
Series No:	ED-IPC	2120, ED-IPC213	0, ED-IPC2140		
Trade Mark:		⊼ ≓			
Sample Receiving Date	e: April 23	, 2024			
Testing Period:	From Ap	pril 23, 2024 to Ap	oril 28, 2024		
Results:	Please	refer to next page	(s).		
Summary of Toot Poor	*******	*******	*******	******	*******
Test Requested:	According to c	ustomer's requirer, PBBs & PBDEs,	ments, Split the s DBP, BBP, DEH	ample and det P, DIBP conte	ermine the Pb, nt of the parts.
Conclusion:	the limits as se	e performed tests bet by Directive (EURoHS 2.0) Annex I	J) 2015/863 - Ame		
*********	******	*********	*******	******	*****
Signed for and on behalf	of HUAK				
	Jason Thou				
Approved by:		WANTESTING HU			

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Lab Manager



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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
- 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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Test Results:

Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	TESTING	Pb	BL	HUAK TEL	Comply
	6 HUAR	Cd	BL		Comply
		Hg	BL	OK TESTING	Comply
	TING TESTING	Cr(VI)	BL 💮	HO.	Comply
HUAKTI	Gray coating	PBBs	BL BL	WIND HILDRY TO	Comply
	Gray Coaling	PBDEs	BL		Comply
	3 auG	DBP			NA
	WAY TESTING	BBP	WILLY TESTIL	WAK TESTING	NA
	(a)	DEHP	(a),	<u></u>	NA
	.6	DIBP		VIELLING	NA
	- WAKTESTIN	Pb	MX TESTING BL	O HOW	Comply
	(a)	Cd	BL	me	Comply
	.0.0	Hg	BL	HUAKTES!	Comply
	TINGAKTESTING	Cr(VI)	BL	OK TESTING	Comply
D HUN	Cibrar matal	PBBs		Why.	NA
2	Silver metal	PBDEs			NA
	3 CSTING	DBP	STING	CSTING	NA
	HUAKTL	BBP	HUAK	EN MAKEL	NA
		DEHP			NA
	STING	DIBP	-STNG-	HUAKTESTI	NA
	HUAKTE	Pb	BL		Comply
		Cd	BL	TESTING	Comply
	THE TESTING	Hg	BL 🚳	HUAR	Comply
	HUAKTE	Cr(VI)	BL	HUAK TES	Comply
3	White, orange print	PBBs	BL		Comply
3	(White plastic film)	PBDEs	BL		Comply
	TAKTESTING	DBP	" IAKTESTING	N.D.	Comply
	(a) 110	BBP	(a) HO	N.D.	Comply
	_	DEHP		N.D.	Comply
	W TESTING	DIBP	X TESTING	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	W TESTING	Comply
	LAK TESTING	Cd	BL	MINAR	Comply
	1 Maria	Hg	BL	- NG	Comply
	Cilver block	Cr(VI)	BL	HUAK TESTIN	Comply
4	Silver, black coating (black	PBBs	BL	AKTESTING	Comply
4	transparent plastic	PBDEs	BL	MIAN MINISTRA	Comply
	sheet)	DBP		N.D.	Comply
	STING	BBP	STING	N.D.	Comply
	HUAKTEL	DEHP	HUAK TE	N.D.	Comply
		DIBP		N.D.	Comply
TEST	TING	Pb	BL	WAK TESTIN	Comply
	HUAKTES	Cd	BL	©	Comply
		Hg	BL	TESTING_	Comply
	THE STATE OF	Cr(VI)	BL	MAK	Comply
5 SIAKTE	Black coating	PBBs	HUAKTES	HUAKTESTI	NA
9	(silver metal screws)	PBDEs			NA
	,	DBP			NA
	S ON TESTING	BBP	OK TESTING	AKTESTING	NA
	O HOM	DEHP	O HUND	10 HO	NA
		DIBP		-STING	NA
	N TESTING	Pb	ETESTING BL	HUAK	Comply
	O HUM	Cd	BL		Comply
		Hg	BL	MAKTESTING	Comply
	TING WIESTING	Cr(VI)	BL ®	HO	Comply
MINAK I	Plank plantin	PBBs	BL	HUAK .	Comply
6	Black plastic	PBDEs	BL		Comply
	3 myG	DBP		N.D.	Comply
	WAK TESTING	BBP	HUAKTEST	N.D.	Comply
	9	DEHP		N.D.	Comply
	Dio	DIBP	- THE	N.D.	Comply

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REPORT	Г No.: HK2404236351-1F	RR Date	e: May 06, 2024		Page 6 of 54
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	a G	Pb	BL	OK TEE TING	Comply
	"IAK TESTING	Cd	BL	MILIAN	Comply
	1	Hg	BL	- NG (Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
7 XTE	Cilver metal apring	PBBs 75TMG	JAK TESTING	AKTESTIN	NA
7	Silver metal spring	PBDEs	M HO.	THURST WAR	NA
		DBP			NA
	S	BBP	STING	STNG	NA
	HUAKTEL	DEHP	HUAKTE	Julak Tec	NA
		DIBP			NA
TEST	TING	Pb	BL	WAK TESTIN	Comply
	HUAKTES	Cd	BL	©	Comply
		Hg	BL	TESTING.	Comply
	THE THE	Cr(VI)	BL 🌕	MAK	Comply
8	Cilver corou	PBBs	HUAKTES	HUAKTEST	NA
0	Silver screw	PBDEs		<u></u>	NA
		DBP			NA
	S AKTESTING	BBP	AK TESTING		NA TESTING
	(HOLL	DEHP	O HUM	White	NA
		DIBP		-ESTING	NA
	V. TESTING	Pb	BL	HUAK	Comply
	(HUAT	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
	TING WIESTING	Cr(VI)	BL		Comply
MUAK .	Cilvanaan	PBBs	Man	HUAK	NA
9	Silver screw	PBDEs			NA
	3 TNS	DBP			NA
	HUAKTES	BBP	HUAKTES	THAN TEST	NA
		DEHP		<u> </u>	NA
	e)G	DIBP	V	N TESTING	NA



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REPOR	T No.: HK2404236351-11	RR Date	Date: May 06, 2024		
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	TESTING	Comply
	LAKTESTING	(6) HUMAN Cd	BL	MIAN	Comply
3	O HO	Hg 💮 💮	BL	- NG	Comply
		Cr(VI)	BL	WAKTESTIN	Comply
10	Cilver W. TESTING	PBBs	LAKTESTING (III)	XTESTING	NA
10	Silver screw	PBDEs	■ HO.	MI HUAN	NA
		DBP			NA
	3 STING	BBP	STING	STING	NA
HUAK TEO	HUAK TES	DEHP	HUAKTE	-WAK TES	NA
, JG	9	DIBP			NA
TESTI	TING	Pb	BL	- WAKTESTIN	Comply
	HUAK TES	Cd	BL	•	Comply
		Hg	BL	TESTING	Comply
	THE TIME	Cr(VI)	BL ®	Max .	Comply
11 11 TE	Maite plantin	PBBs	BL	HUAKTESTI	Comply
11	White plastic	PBDEs	BL	<u> </u>	Comply
		DBP			NA
	NY TESTING	BBP	AN TESTING		NA
HOM	(HO)	DEHP	O HUND	10 HO	NA
ESTING		DIBP		-STING	NA
	ok TESTING	Pb	OL [®]	1.4*10 ⁴	Comply
	M. H. M.	Cd	BL		Comply
		Hg	BL	WAKTESTING	Comply
.16	STING ON TESTING	Cr(VI)	BL ®	TESTIN	Comply
MANAK I	Copper-colored	PBBs	MINA	HUAK .	NA
12	metal	PBDEs			NA
	is _m/G	DBP	G	-TING	NA
	HUAK TES .	BBP	HUAKTES	HEAK TES !!	NA
		DEHP		<u></u>	NA
	.n/G	DIBP		LAX TESTING	NA
	- 5-7119	W. U.O.	-C-(1)	ALC 010	

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KEPUK	REPORT No.: HK2404236351-1RR Date: May 06, 2024				
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	TESTING	Comply
	LAKTESTING	Cd	BL	MIAN	Comply
3	(a) HO.	Hg	BL	- NG	Comply
		Cr(VI)	BL	WAKTESTIN	Comply
10×1	Disable planting account	PBBs (15 ^{th/6}	BL	XTESTING	Comply
13	Black plastic cover	PBDEs	BL	HUAN HUAN	Comply
		DBP			NA
	3 CTING	BBP	STING	STING	NA
	HUAKTES	DEHP	HUAKTE	-WAK TES	NA
, G		DIBP			NA
TESTI	TING	Pb	BL	- WAKTESTIN	Comply
	HUAKTES	Cd	BL	•	Comply
		Hg	BL	TESTING	Comply
	ING CING	Cr(VI)	BL .	max .	Comply
14	Dia di vivia a aven	PBBs	BL	HUAKTESTIL	Comply
14	Black wire cover	PBDEs	BL		Comply
		DBP		N.D.	Comply
	AK TESTING	BBP	AN TESTING	N.D.	Comply
	(a) HO	DEHP	Man	N.D.	Comply
		DIBP		N.D.	Comply
	AK TESTING	Pb	BL	HUAK	Comply
	O HOM	Cd	BL	(Comply
		Hg	BL	WAK TESTING	Comply
	STING OKTESTING	Cr(VI)	BL ®	TESTIN	Comply
15	Silver metal core	PBBs	MILITARY	HUAR.	NA
- 13	Silver metal core	PBDEs			NA
	5TING	DBP	TING		NA
	HUAKTES	BBP	HUAK TES.	HEAK TES	NA
		DEHP			NA
	ang	DIBP		LAK TSTING	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	o.e.	Pb	BL	V TE-TING	Comply
	LAN TESTING	Cd	BL	MINAR	Comply
	O HO	Hg	BL	- NG	Comply
		Cr(VI)	BL	WAKTESTIN	Comply
40×TE	Copper-colored	PBBs TESTING	JAKTESTING (III)	V TESTING	NA
16	metal	PBDEs	3 HO.	HUAN.	NA
		DBP			NA
	3 TING	BBP		TING	NA
	HUAKTES	DEHP	HUAK TES	WIAK TES	NA
		DIBP			NA
TESTINE	TING	Pb	BL	WAY TESTIN	Comply
	HUAKTES	Cd	BL	•	Comply
		Hg	BL	TESTING.	Comply
	NG TING	Cr(VI)	BL 🌑	MAKAL	Comply
17	STILL HUAKTES!	PBBs	BL		Comply
17	White plastic	PBDEs	BL	<u></u>	Comply
		DBP			NA
	3 VESTING	BBP	X TESTING	K TESTING	NA *******
	MINN.	DEHP	HUAD	MANAGE TO SERVICE STATE OF THE PARTY OF THE	NA
		DIBP		-SING	NA
	& TESTING	Pb	BL	HUAK	Comply
	MINAN.	Cd	BL		Comply
		Hg	BL	LIAK TESTING	Comply
	THIS THESTING	Cr(VI)	BL ^{mc}	ESTING	Comply
HUAK	All HUAN	PBBs	MHUAN	HUAK	NA
18	Silver metal pin	PBDEs			NA
	5 mig	DBP	_{TIN} G		NA
	HUAKTEST	BBP	HUAK TEST	PHAK TEST	NA
		DEHP	<u></u>	·	NA
	a)G	DIBP	- SVan	OK TESTING	NA

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REPURI	No.: HK2404236351-1	KK Dat	e: May 06, 2024		Page 10 of 54
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	AK TESTING BL	MUAN	Comply
ò		Hg	BL	- NO	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
40×TE	Cilver mektel min	PBBs (STING	LAKTESTING (III)	V TESTIN	NA
19	Silver metal pin	PBDEs	3 HO	MI HUAN	NA
		DBP			NA
STIN		BBP		STNG	NA
HUAKTED		DEHP	HUAKTE	WUAK TES	NA
ı,G		DIBP			NA
TESTIN	TING	Pb	BL	WAK TEST	Comply
		Cd	BL	© "	Comply
8		Hg	BL	TESTING	Comply
		Cr(VI)	BL _N	HIVAK I	Comply
NON TE		PBBs	HUAKTES.	HUAKTESTIL	NA
20	Silver metal	PBDEs		<u></u>	NA
		DBP			NA
AK TESTIN		BBP	AN TESTING		NA ******
HI Par		DEHP	Man	White	NA
ESTING		DIBP		-STING	NA
	X TESTING	Pb	W TESTING	HUAK	Comply
		Cd	BL		Comply
		Hg	BL	" IAK TESTING	Comply
18		Cr(VI)	BL ®	HU	Comply
HUAK TE	Cilvanasass	PBBs	MHUAN	HUAK	NA
21	Silver screw	PBDEs			NA
711		DBP			NA
WAKTEST		BBP	HUAK TEST	PLANTES I	NA
		DEHP		<u></u>	NA
TESTING.		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
		Pb	BL	ox Testing	Comply
	HAKTESTING	Cd	BL	Man	Comply
	O House	Hg	BL	nio	Comply
		Cr(VI)	BL	HUAK TEST	Comply
20 KTE	Conner metal nin	PBBs restrict	TAK TESTING	WIESTIN	NA
22	Copper metal pin	PBDEs	3 HO.	M HUAN	NA
		DBP			NA
	3	BBP		STING	NA
	HUAKTES	DEHP	HUAKTES	WILLAK TES	NA
		DIBP			NA
2111.	TING	Pb	BL	WAK TESTI	Comply
	HUAKTES	Cd	BL		Comply
		Hg	BL	TESTING	Comply
	ale TING	Cr(VI)	BL 🌕 🦱	MAK I	Comply
CLAK TE	THE HUAKTES!	PBBs	BL	WAKTESTIL	Comply
23	Black plastic base	PBDEs	BL	<u></u>	Comply
		DBP			NA
	S W TESTING	BBP	A TESTING		NA (STATE
	O HUAN	DEHP	HUAD	White Hilliam	NA
		DIBP		-STING	NA
	4 TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL		Comply
		Hg	BL	JAK TESTING	Comply
	TING TESTING	Cr(VI)	BL	HO.	Comply
HUAK	DI MIAN	PBBs	BL	HUAKIL	Comply
24	Black plastic base	PBDEs	BL		Comply
	Sim_	DBP	_{my} G		NA
	HUAKTESTI	BBP	HUAK TESTI	RUAK TESTI	NA
	(ii)	DEHP		(ii)	NA
	e)Co	DIBP		V SESTING	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	ox Tre TING	Comply
	LAK TESTING	Cd	BL	MIAN	Comply
5	O HOW	Hg	BL	- NG	Comply
		Cr(VI)	BL	HUAK TESTING	Comply
OF KITE	\\/\bito\\\\\	PBBs (51MG	BL	KTESTING	Comply
25	White plastic	PBDEs	BL	HUAN-	Comply
		DBP			NA
-TIN	3 TING	BBP	TING	TING	NA
MAKTES	HUAKTES	DEHP	HUAKTES	WIAK TES	NA
-6		DIBP			NA
ESTINE	TING	Pb	BL	WAYTESTING	Comply
	HUAKTES.	Cd	BL	<u></u>	Comply
		Hg	BL	TSTING.	Comply
	NG TING	Cr(VI)	BL 🌕	HUAKTE	Comply
MAKTE	STILL HUAR TEST	PBBs	HUAK TES.	UNAK TESTIN	NA
26	Silver metal pin	PBDEs		O .	NA
		DBP			NA
KTESTIN	3 X TESTING	BBP	V-TSTING	Y TESTING	NA *******
WAI	MI AU AND	DEHP	MINATE	MAIN AND AND AND AND AND AND AND AND AND AN	NA
STING		DIBP		-SING	NA
	TESTING	Pb	BL	HUAK-	Comply
	HUAN	Cd	BL		Comply
		Hg	BL	LAK TESTING	Comply
-0	TESTING (Cr(VI)	BL ®	HD.	Comply
HUAKIL	HUAN	PBBs	BL	HUAKTE	Comply
27	White plastic base	PBDEs	BL		Comply
-103	3 ans	DBP	₍₁₀₎ G		NA
UAKTESTIN	HUAKTESTI	BBP	HUAKTESTI	FRANTESTII	NA
		DEHP	<u></u>	<u></u>	NA
ESTING	a)G	DIBP		AK 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	V TESTING	Comply
	LAK TESTING	© HUAN Cd	BL	MUAN	Comply
	1 months	Hg	BL		Comply
		Cr(VI)	BL	JUAKTESTIN	Comply
OOKTE	Oilean ask to be in	PBBs	JAKTESTING (III	V TESTIN	NA
28	Silver metal pin	PBDEs	M HOW	HUAN	NA
		DBP			NA
	3 - TING	BBP	CTING	TING	NA
	HUAKTES	DEHP	HUAK TES	WILLIAM TES	NA
		DIBP			NA
ESTIN	-TING	Pb	BL	MAKTESTA	Comply
	HUAKTES	Cd	BL	<u> </u>	Comply
		Hg	BL	-cSTNG	Comply
	ale The	Cr(VI)	BL 🦠	HIAICIE	Comply
MAKTE	THE HUAKTES!	PBBs	MAKTES.	WAKTESTIL	NA
29	Silver metal	PBDEs		<u>~</u> .	NA
		DBP			NA
	3 VESTING	BBP	V-STING	Y TESTING	NA
	(HIM	DEHP	HUAT-	MINN	NA
		DIBP		-STING	NA
	W TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL		Comply
		Hg	BL	LAK TESTING	Comply
	TING TESTING	Cr(VI)	BL O		Comply
HUAK TE	NO HUAN	PBBs	MHUAN	HUAKTA	NA
30	Silver metal pin	PBDEs			NA
	5 miG	DBP		Olm	NA
	WAK TESTING	BBP	HUAK TESTIN	HUAK TESTI	NA
	(0)	DEHP		<u> </u>	NA
		DIBP		W 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	-0	Pb	BL	ox Tes TING	Comply
	LAN TESTING	Cd	BL	HUAN	Comply
5	(a)	Hg	BL	myG	Comply
		Cr(VI)	BL	HUAKTESTI	Comply
31	Plack plactic base	PBBs	BL	OKTESTIN	Comply
31	Black plastic base	PBDEs	BL	C HUMAN	Comply
		DBP			NA
-STIN	3 STING	BBP	STING	STING	NA
UAK TES	HUAKTE	DEHP	HUAK TE	MAKTEL	NA
NG.		DIBP			NA
ESTI	TING	Pb	BL	UNAKTESTI	Comply
	HUAKTES	Cd	BL	.	Comply
		Hg	BL	TESTING	Comply
	THE THE	Cr(VI)	IN S	N.D.	Comply
32	O'T HUAY TES	PBBs	HUAKTES.		NA
32	Silver metal	PBDEs		<u></u>	NA
		DBP			NA
AK TESTIN	S AK TESTING	BBP	AK TESTING	X TESTING	NA (STORE
N. O.	O HUAN	DEHP	MINITED TO SERVICE AND ADDRESS OF THE PROPERTY	MINA.	NA
STING		DIBP		-5 ING	NA
	"TESTING	Pb	BL	HUAK-	Comply
	MINAN.	Cd	BL		Comply
		Hg	BL	LAKTESTING	Comply
-6	TING TESTING	Cr(VI)	BL O	ESTIN	Comply
HUAK	Dia dia dia hasa	PBBs	BL	HUAKT	Comply
33	Black plastic base	PBDEs	BL		Comply
and the	5 mG	DBP		_N G	NA
UAKTESTI	HUAKTESTA	BBP	HUAKTESTI	HUAK TESTI	NA
	(iii)	DEHP		<u> </u>	NA
ESTING	-6	DIBP		AK TESTING	NA

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REPORT	No.: HK2404236351-1F	RR Date	Date: May 06, 2024		
Part No.	Part Name Restricted Result of EDXRF (1)		Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	
TESTING		Pb	BL	W TESTING	Comply
	JAK TESTINIS	(Cd	BL	MIAN	Comply
3	O HO	Hg	BL	- NG	Comply
		Cr(VI)	BL	HUAKTESTIN	Comply
24×TE	Cibras sa atal	PBBs (SIME	JAKTESTING (III)	XTESTING	NA
34	Silver metal	PBDEs	M	MI HUAN	NA
		DBP			NA
STIN	3 STING	BBP		STING	NA
HUAKTER	HUAKTE	DEHP	HUAKTE	MIAKTER	NA
a)G		DIBP			NA
(ESI	TING	Pb	BL	WAK TEST	Comply
	HUAKTED	Cd	BL	·	Comply
8		Hg	BL	TESTING	Comply
	THE STING	Cr(VI)	BL	HIAK	Comply
35	Silver metal spring	PBBs	HUAKTE-	HUAK TEST	NA
33	Silver metal spring	PBDEs		<u></u>	NA
		DBP			NA
LAK TESTIN	3 CANTESTING	BBP	JAK TESTING		NA
NO.	M. HO.	DEHP	(1) HD	O HO	NA
ESTING		DIBP		-ESTING	NA
	AKTESTING	Pb	BL	Mak	Comply
	MD HD	Cd	BL		Comply
		Hg	BL	WAK TESTING	Comply
TE	TIME OF TESTING	Cr(VI)	IN _{MC}	N.D.	Comply
36	Silver metal	PBBs	9 HO	HUAN	NA
- 50	Silver Illetai	PBDEs			NA
-STIN	3 -TING	DBP	CTING	CTNG	NA
HUAK TES	HUAK TES	BBP	HUAK TES	HEAR TES	NA
- 64		DEHP			NA
ESTING	-niG	DIBP	lo	LAX-TSTING	NA

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REPORT	PORT No.: HK2404236351-1RR Date: May 06, 2024			Page 16 of 54	
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	© HUAN Cd	BL	MINAR	Comply
	1 months	Hg	BL	- NG (Comply
		Cr(VI)	BL	WAKTESTIN	Comply
27	Cilver metal nin	PBBs	TAK TESTING	AKTESTING	NA
37	Silver metal pin	PBDEs	M HD.	HUAN HUAN	NA
		DBP			NA
	3 CTING	BBP	STING	CTNG	NA
	HUAKTES	DEHP	HUAKTE	JULAK TEC	NA
		DIBP			NA
TESTI	TING	Pb	BL	- WAKTESTIN	Comply
	HUAKTES	Cd	BL	•	Comply
		Hg	BL	TESTING.	Comply
	ING TING	Cr(VI)	BL ®	MAK .	Comply
38	Diagly plantin han a	PBBs	BL	HUAKTESTI	Comply
38	Black plastic base	PBDEs	BL	<u></u>	Comply
		DBP			NA
	S AKTESTING	BBP	OK TESTING		NA
	(C) HOW	DEHP	O HUM	10 m	NA
		DIBP		-ESTING	NA
	AK TESTING	Pb	W.TESTING BL	HUAK	Comply
	O HUM	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
	TING XTESTING	Cr(VI)	BL	TESTIN	Comply
MAKE TE		PBBs	MILIAN	HUAK.	NA
39	Silver metal	PBDEs			NA
	3 -TING	DBP	G		NA
	HUAKTEST	BBP	HUAKTEST	PROBETES!	NA
	9	DEHP		<u></u>	NA
	ang.	DIBP		LAK TESTING	NA
TESTING	Stan	TING	- AMG		



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Part No.			Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	
	.0	Pb	BL	V TESTING	Comply	
	LAK TESTING	(Cd	BL	MUAN	Comply	
	1 Maria	Hg	BL	niG -	Comply	
		Cr(VI)	BL	HUAK TESTIN	Comply	
10×1E	Cilver metal nin	PBBs	TAK TESTING	W TESTIN	NA	
40	Silver metal pin	PBDEs	3 HO.	MINNO	NA	
		DBP			NA	
	3	BBP		STING	NA	
	HUANTES	DEHP	HUAKTES	MIAKTES	NA	
		DIBP			NA	
ESTI	TING	Pb	BL	WAKTES!	Comply	
	HUAKTES	Cd	BL		Comply	
		Hg	BL	TESTING	Comply	
	THE THE	Cr(VI)	BL O	MAK .	Comply	
NAME TE	Diagly plantin hann	PBBs	BL	HUAKTESTI	Comply	
41	Black plastic base	PBDEs	BL	<u></u>	Comply	
		DBP			NA	
	S ON TESTING	BBP	AKTESTING		NA -	
	(HOLD	DEHP	O HUM	White	NA	
		DIBP		-STING	NA	
	V TESTING	Pb	BL	HUAR	Comply	
	(HUM	Cd	BL		Comply	
		Hg	BL	MAKTESTING	Comply	
	TING WIESTING	Cr(VI)	BL O	HO TESTIN	Comply	
HUAK	Cibrar matal	PBBs	M HUAN-	MAK .	NA	
42	Silver metal	PBDEs			NA	
	3 mig	DBP	OVIII-		NA	
	HUAKTESI	BBP	HUAK TEST	PRINK TES !!	NA	
	(W)	DEHP		<u> </u>	NA	
		DIBP		N TESTING	NA	

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Part No.	Part Name	Restricted	e: May 06, 2024 Result of	Result of Chemical	Page 18 of 54
		Substances	EDXRF (1)	Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
	JAK TESTING	Cd	BL	MUAN	Comply
3	(a) HOW	Hg	BL		Comply
		Cr(VI)	BL	WAKTESTIL	Comply
10 × TE 5TI	Oil and Mark TESTING	PBBs (5000)	JAKTESTING (III)	KTESTING	NA
43	Silver metal pin	PBDEs	MID.	HUAN.	NA
		DBP			NA
EMMS	TING	BBP		STING	NA
HUAKTES	HUAKTES	DEHP	HUAKTES	WILAK TES	NA
ıG.		DIBP			NA
TEST	TING	Pb	BL	MAXTESTI	Comply
	HUAKTES.	Cd	BL		Comply
3		Hg	BL	TESTING	Comply
	NG TING	Cr(VI)	BL 🌕	HUAK I	Comply
44	NA/Inite allocation Income	PBBs	MIN IN	N.D.	Comply
44	White plastic base	PBDEs	IN	N.D.	Comply
		DBP			NA
OK TESTING	AK TESTING	BBP	AK TESTING		NA
HUM	O HUND	DEHP	MON	O HOM	NA
ESTING		DIBP		-SING	NA
	X TESTING	Pb	BL	HUAK	Comply
	MIA.	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
TESTI	NG OK TESTING	Cr(VI)	BL		Comply
O AF	Drown plactic bass	PBBs	BL	HURK	Comply
45 E	Brown plastic base	PBDEs	BL		Comply
-711/5	TING	DBP			NA
HUAK TEST	HUAKTESI	BBP	HUAKTES	PROKTES!	NA
		DEHP		<u></u>	NA
TESTING	-m\G	DIBP		LAK TETING	NA

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VEI OIVI	No.: HK2404236351-1	KK Dai	e: May 06, 2024	Page 19 of 54	
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
	LAKTESTING	(Cd	AK TESTING BL	MIAN	Comply
3	O HO	Hg	BL	- NO	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
10×1E	Connant Watel nin	PBBs	LAKTESTING (III)	XTESTING	NA
46	Copper metal pin	PBDEs	3 HO	MI HUAN	NA
		DBP			NA
-CTIV	3 CTING	BBP	CTING	CTNG	NA
HUAKTES	HUAKTES	DEHP	HUAKTES	WILLIAM TES	NA
-1G		DIBP			NA
TESTIN	TING	Pb	BL	WAK TESTIN	Comply
	HUAKTES	Cd	BL	• <u></u>	Comply
E		Hg	BL	TESTING _	Comply
	TING TING	Cr(VI)	BL _N	HIAK I	Comply
W LAK TE	AND HUAKTES!	PBBs	HUAKTES.	WAY TESTIL	NA
47	Silver screw	PBDEs		<u></u>	NA
		DBP			NA
OK TESTIN	S AKTESTING	BBP	AKTESTING		NA
HUM	O HOLL	DEHP	O HUN-	White	NA
ESTING		DIBP		-SmyG	NA
	V. TESTING	Pb	W TESTING	HUAK	Comply
	O HUAN	Cd	BL		Comply
		Hg	BL	MAKTESTING	Comply
Æ	STING WIESTING	Cr(VI)	BL ^{MG}	HO	Comply
HUAK	Blue thermal	PBBs	BL BL	HUAK	Comply
48	silicone	PBDEs	BL		Comply
THE STATE OF THE S	S TING	DBP	₍₁₀₎ G	N.D.	Comply
HUAKTESIN	HUAKTEST	BBP	HUAK TEST	N.D.	Comply
		DEHP	·	N.D.	Comply
TESTING	-DZn_	DIBP	- NO	N.D.	Comply

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REPOR	EPORT No.: HK2404236351-1RR Date: May 06, 2024				Page 20 of 54	
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	MINAN	Comply	
3	1 months	Hg	BL	- NO	Comply	
		Cr(VI)	BL	WAKTESTIN	Comply	
10	Digal, plantin hann	PBBs	BL	AKTESTING	Comply	
49	Black plastic base	PBDEs	BL	HUAN HUAN	Comply	
		DBP			NA	
	3 CTING	BBP	STING	STING	NA	
	HUAKTES	DEHP	HUAKTE	-WAK TES	NA	
		DIBP			NA	
TESTI	TING	Pb	BL	- WAKTESTIN	Comply	
	HUAKTES	Cd	BL	•	Comply	
		Hg	BL	TESTING	Comply	
	ING TING	Cr(VI)	BL ®	Max .	Comply	
50	Cilver es stal min	PBBs	HUAKTES.	HUAKTESTI	NA	
50	Silver metal pin	PBDEs			NA	
		DBP			NA	
	S AKTESTING	BBP	OK TESTING	AKTESTING	NA	
	(C) HOW	DEHP	O HUM	W. HO	NA	
		DIBP		-ESTING	NA	
	AK TESTING	Pb	W.TESTING BL	HUAK	Comply	
	O HUM	Cd	BL	(Comply	
		Hg	BL	WAY TESTING	Comply	
	STING OKTESTING	Cr(VI)	BL ®	TESTIN	Comply	
51	Silver metal	PBBs	MILITARY	HUAR.	NA	
31	Silver metal	PBDEs			NA	
	5 -TING	DBP			NA	
	HUAKTES	BBP	HUAK TES	HOAK TEST	NA	
		DEHP		<u></u>	NA	
	Din	DIBP		LAK TESTING	NA	

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Part	3 STING	6	e: May 06, 2024 	Result of	Page 21 of 54
No.	Part Name	Restricted Substances	Result of EDXRF (1)	Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
	LAKTESTING	(Cd	NETESTING BL	MINAN	Comply
3	O HO	Hg	BL	- NG (Comply
		Cr(VI)	BL	HUAK TESTING	Comply
FOXTE	Digal plantic base	PBBs (STATE	BL	A TESTING	Comply
52	Black plastic base	PBDEs	BL	THURST WAR	Comply
		DBP			NA
STIN	3 STING	BBP	STING	CTNG	NA
HUAKTED	HUAK TES	DEHP	HUAKTE	JULAK TEC	NA
, IG		DIBP			NA
TESTI	TING	Pb	BL	- WAY TESTIN	Comply
	HUAKTES	Cd	BL	• <u></u>	Comply
3		Hg	BL	TESTING.	Comply
	TING TING	Cr(VI)	BL 🚳	MAK .	Comply
53	Cilver mental	PBBs	HUAKTES.	HUAKTESTI	NA
53	Silver metal	PBDEs			NA
		DBP			NA
AK TESTIN	S AKTESTING	BBP	OK TESTING		NA
HOM	O HOM	DEHP	O HUM	110 m	NA
ESTING		DIBP		-ESTING	NA
	A TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL	(Comply
		Hg	BL	WAX TESTING	Comply
. res	STING WIESTING	Cr(VI)	BL ^{WG}		Comply
54	Light blue coating	PBBs	BL BL	HUAK.	Comply
54	Light blue coating	PBDEs	BL		Comply
-my	G TING	DBP			NA
HUAKTEST	MHUAK TESTING	BBP	HUAKTEST	PROMITES!	NA
		DEHP		<u> </u>	NA
TESTING	-asG	DIBP	- Stra	LAX TESTING	NA

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VEI OIVI	No.: HK2404236351-1	RR Dai	Date: May 06, 2024		
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	W TESTING	Comply
	HAKTESTING	Cd	BL	WIANG	Comply
3	1	Hg	BL	mG	Comply
		Cr(VI)	IN	N.D.	Comply
55	Silver metal	PBBs	TAK TESTING	AKTESTIM	NA
33	Silver metal	PBDEs	—	€ HUN	NA
		DBP			NA
STIN	3 STING	BBP	STING	CSTING	NA
HUAKTEL	HUAKTE	DEHP	HUAKTE	MAKTE	NA
n)G		DIBP			NA
TESTI.	STING	Pb	BL	WAY TESTIN	Comply
	HUAKTED	Cd	BL	·	Comply
		Hg	BL	TESTING	Comply
	TING STING	Cr(VI)	BL	MAK	Comply
56	Black print (white	PBBs	BL	HUAKTEST	Comply
56	plastic label)	PBDEs	BL	<u></u>	Comply
		DBP			NA
AK TESTIN	S ON TESTING	BBP	OK TESTING	AKTESTING	NA
HOL	O HOW	DEHP	O HOW	W. HOW	NA
ESTING		DIBP		-ESTING	NA
	AK TESTING	Pb	W.TESTING BL	HUAK	Comply
	O HUAN	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
TE.	STING OF TESTING	Cr(VI)	BL ®	HU	Comply
MAKTE 57	Plack plactic	PBBs	BL BL	HUAK.	Comply
57	Black plastic	PBDEs	BL		Comply
-7114	S TING	DBP	-TING	N.D.	Comply
WAKTESIN	MAKTESTIVE	BBP	HUAKTEST	N.D.	Comply
		DEHP		N.D.	Comply
TESTING	-muG	DIBP	- NG-	N.D.	Comply



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REPURI	No.: HK2404236351-11	RR Dat	e: May 06, 2024		Page 23 of 54		
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS		
TESTING	.0	Pb	BL	v TESTING	Comply		
	LAKTESTING	(Cd	AK TESTING BL	HUAN	Comply		
	O HO	Hg	BL	mig-	Comply		
		Cr(VI)	BL	AUAKTESTII.	Comply		
FORTE	Cibrar motal care	PBBs	LAK TESTING	W TESTIN	NA		
58	Silver metal core	PBDEs	3 HO.	MINNO	NA		
		DBP			NA		
STIN	3 CTING	BBP			NA		
JAK TES	HUAK TES	DEHP	HUAKTE	Jule Tex	NA		
NG.		DIBP			NA		
ESTI	TING	Pb	BL	UNAKTESTI	Comply		
	HUAKTES	Cd	BL	.	Comply		
		Hg	BL	TESTING	Comply		
	THE THE	Cr(VI)	BL 💮	HUAK I	Comply		
WAK TE	STILL PHARTES	PBBs	HUAK TES		NA		
59	Silver metal	PBDEs		<u></u>	NA		
		DBP			NA		
W TESTIN	S VESTING	BBP STIME	W TESTING	KTESTING	NA		
N. P.	(HOM	DEHP	Mary	MINN	NA		
STING		DIBP		-5 ING	NA		
	V TESTING	Pb	BL	HUNK	Comply		
	O HUAN	Cd	BL		Comply		
		Hg	BL	LAKTESTING	Comply		
-6	STING WIESTING	Cr(VI)	BL ^{MG}	ESTIN	Comply		
HUAK	Discharia di a	PBBs	BL	HUAK I	Comply		
60	Black plastic	PBDEs	BL		Comply		
ent.	S No.	DBP	_M G	N.D.	Comply		
JAK TEST	WANTESTING	BBP	HUAKTEST	N.D.	Comply		
		DEHP		N.D.	Comply		
ESTING	_\G	DIBP	-10	N.D.	Comply		

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	110 1 INZ404230331-11	nn Dati	Dale. May 00, 2024		raye 24 01 34
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	ox Tes TING	Comply
		(Cd	BL	White	Comply
6		Hg 💮 💮	BL	WG.	Comply
		Cr(VI)	BL	HUAKTES I"	Comply
61	Silver metal solder	PBBs	TAK TESTING	OK TESTIN	NA
01	joints	PBDEs	—	€ HOW	NA
		DBP			NA
STIN		BBP	STING	STING	NA
WAKTER		DEHP	HUAKTE	MINKTE	NA
, nJG		DIBP			NA
ESTI		Pb	BL	HUAKTESTI	Comply
		Cd	BL	<u> </u>	Comply
		Hg	BL	TESTING	Comply
		Cr(VI)	BL	HIAR	Comply
62	Black PCB board	PBBs	BL	HUAK TEST	Comply
02	DIACK FCD DUAIG	PBDEs	BL	<u></u>	Comply
		DBP		N.D.	Comply
LAK TESTIN		BBP	LAK TESTING	N.D.	Comply
IO.		DEHP	● HO"	N.D.	Comply
CTING		DIBP		N.D.	Comply

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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
C4 (iii)	BL≤(70-3σ) <x<(130+3σ)< td=""><td>BL≤(70-3σ)<x<(130+3σ)< td=""><td>1 OD «V«(150+2~) «Ol</td></x<(130+3σ)<></td></x<(130+3σ)<>	BL≤(70-3σ) <x<(130+3σ)< td=""><td>1 OD «V«(150+2~) «Ol</td></x<(130+3σ)<>	1 OD «V«(150+2~) «Ol
Cd	≤OL	≤OL	LOD <x<(150+3σ) td="" ≤ol<=""></x<(150+3σ)>
TESTING DI	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)>
G 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 HUA	BL≤(300-3σ) <x< td=""><td>HUAKTE -</td><td>BL≤(250-3σ)<x< td=""></x<></td></x<>	HUAKTE -	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	me 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) 0.1%		
Lead (Pb)			
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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RoHS Exemptions

Exemptions	HAKTESTIN HAKTESTIN	
RoHS Directive 2011/65/EU ANNEX III and (EU)2017/2102	
Exemption Items	Expires Date	
1, Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):	MAK 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):	- G HUAK I	
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):	STING	
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):	AK TESTING	

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TING	Exemptions	THE THE
HUAK TES.	RoHS Directive 2011/65/EU ANNEX 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 lengt	h (> 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 oth	ner low pressure discharge lamps (per lamp):15	img Expires on 24 February 2023
where the application	w pressure non-phosphor coated discharge lam on requires the main range of the lamp-spectral let spectrum: up to 15 mg mercury may be used	l output Expires on 24 February 2027
4(b), Mercury in Hig purposes not excee	gh Pressure Sodium (vapour) lamps for general eding (per burner) in lamps with improved colou > 80: P ≤ 105 W: 16 mg may be used per burn	Expires on 24 February 2027
4(b) -I,rendering ind	dexRa > 60:P ≤155 W:30mg	Expires on 24 February 2023
4(b) -II,rendering in	dex Ra > 60:155 W < P ≤ 405 W:40mg	Expires on 24 February 2023
4(b) -III,rendering in	ndex Ra > 60: P > 405 W:40mg	Expires on 24 February 2023
	er High Pressure Sodium (vapour) lamps for poses not exceeding (per burner):	TETNIC
4(c)-I,P ≤ 155 W:20	Omg	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:2	5mg	Expires on 24 February 2027
4(d),Mercury in Hig	h Pressure Mercury (vapour) lamps (HPMV)	Expires on 13 April 2015
4(e),Mercury in me	tal halide lamps (MH)	Expires on 24 February 2027
specifically mention		Expires on 24 February 2025
where an output ≥ 2	gh pressure mercury vapour lamps used in proje 2000 lumen ANSI is required	Expires on 24 February 2027
4(f)-III,Mercury in h lighting	igh pressure sodium vapour lamps used for hor	Expires on 24 February 2027
	amps emitting light in the ultraviolet spectrum	Expires on 24 February 2027
decorative or archit the mercury conten pair + 0,3 mg per to applications and ind 20 °C; (b) 15 mg per elect	nd crafted luminous discharge tubes used for signectural and specialist lighting and light-artwork, at shall be limited as follows: (a) 20 mg per electube length in cm, but not more than 80 mg, for oddoor applications exposed to temperatures belowed pair + 0,24 mg per tube length in cm, but nother indoor applications.	where trode outdoor ow Expires on 31 December 2018
	of cathode ray tubes	
STINE	of fluorescent tubes not exceeding 0,2 % by we	eight with
C(D), Loud III glass	or hadrodoon tabout not oncooding 0,2 70 by We	Sign.



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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	HUMETESTING
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	W.TESTING HUAK I
6(b),Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	"TESTING NAY TESTING
6(b)-I, Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	O HUMAN O HA
6(b)-II, Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	elia elia
6(c), Copper alloy containing up to 4 % lead by weight	JAKTESTIL.
7(a), Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)	
7(b), Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications	HUANTESTING HUANTESTING
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	W.LE.UNG
7(c)-II, Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	HUAKTES TO HUAKTES
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; -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. Expires on 1 January 2012 and
8(a), Cadmium and its compounds in one shot pellet type thermal cut-offs	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	TESTING

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REPORT No.: HKZ4U4Z36351-TRR	Exemptions	Page 30 of 54
RoHS Directive	e 2011/65/EU ANNEX III and (EU)	2017/2102
Exemption Items	(20,000,20,000,000,000,000,000,000,000,0	Expires Date
8(b)-I,Cadmium and its compounds in ele - circuit breakers, - thermal sensing controls, - thermal motor protectors (excluding her - AC switches rated at: 6 A and more at 2 more at 125 V AC and more, - DC switches rated at 20 A and more at - switches for use at voltage supply frequence.	rmetic thermal motor protectors), 250 V AC and more, or 12 A and 18 V DC and more, and	HUANTESTING HUANTESTING
9, Hexavalent chromium as an anticorros cooling system in absorption refrigerators cooling solution 9(a)-I,Up to 0,75 % hexavalent chromium anticorrosion agent in the cooling solutior	s up to 0,75 % by weight in the by weight, used as an of carbon steel cooling systems	Applies to categories 1-7 and 10
of absorption refrigerators (including mini partly with electrical heater, having an aveat constant running conditions	erage utilizedpower input < 75 W	and expires on 5 March 2021.
9(a)-II,Up to 0,75 % hexavalent chromiun anticorrosion agent in the cooling solutior of absorption refrigerators: - designed to operate fully or partly with a average utilised power input ≥ 75 W at cooled - designed to fully operate with nonelectres.	electrical heater, having an onstant running conditions,	Applies to categories 1-7 and 10 and expires on 21 July 2021.
9(a)-III,Up to 0,7 % hexavalent chromium anticorrosion agent in the working fluid of gas absorption heat pumps for space and	the carbon steel sealed circuit of	Applies to category 1 and expires on 31 December 2026.
9(b), Lead in bearing shells and bushes for compressors for heating, ventilation, air contraction (HVACR) applications	or refrigerant-containing	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
TING OF HE	THE THIS MADE	9.
9(b)-(I),Lead in bearing shells and bushes hermetic scroll compressors with a stated below 9 kW for heating, ventilation, air co (HVACR) applications	d electrical power input equal or	Applies to category 1; expires on 21 July 2019.
11(a), Lead used in C-press compliant pin	n connector systems	May be used in spare parts for EEE placed on the market before 24 September 2010





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TING	Exemptions	TING	TING
RoHS Directiv	ve 2011/65/EU ANNEX III and (EU)2017/2102	HUAKTES
Exemption Items		Expires Date	
11(b), Lead used in other than C-press of	compliant pin connector systems	Expires on 1 Jan after that date ma spare parts for E market before 1	ay be used in EE placed on the
12, Lead as a coating material for the the	ermal conduction module C-ring	May be used in s placed on the ma September 2010	
13(a), Lead in white glasses used for op	tical applications	Applies to all cate on: - 21 July 2023 for vitro diagnostic m - 21 July 2024 for industrial monitor instruments and	egories; expires or category 8 in nedical devices; or category 9 ring and control
TESTING WESTING	K TESTING	 21 July 2021 for categories and strength Applies to categories 	or all other ubcategories
13(b), Cadmium and lead in filter glasses standards	MUNITESTINE HUNITES I.	expires on: - 21 July 2023 for vitro diagnostic m - 21 July 2024 for industrial monitor instruments and for the control of the	or category 8 in nedical devices; or category 9 ring and control for category 11;
13(b)- (I),Lead in ion coloured optical filte		TESTIVE	LEY TESTING
13(b)- (II), Cadmium in striking optical filter applications falling under point 39 of this		O HO,	
13(b)- (III),Cadmium and lead in glazes u	-6	TESTING	
14, Lead in solders consisting of more the connection between the pins and the parties lead content of more than 80 % and less	ckage of micropro-cessors with a	Expired on 1 Jan after that date ma spare parts for E market before 1	ay be used in EE placed on the
		9 other than in vi	or categories 8 and tro diagnostic
15, Lead in solders to complete a viable semiconductor die and carrier within inte		- 21 July 2023 for vitro diagnostic m	ontrol instruments; or category 8 in nedical devices;
		- 21 July 2024 for industrial monitor instruments, and	ing and control



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anig mig	Exemptions	aug Pun
Rol-	HS Directive 2011/65/EU ANNEX III a	and (EU)2017/2102
Exemption Items		Expires Date
the semiconductor die and car packages where at least one of semiconductor technology noo mm2 or larger in any semicond	lete a viable electrical connection betwier within integrated circuit flip chip of the following criteria applies:- a de of 90 nm or larger; - a single die of ductor technology node; - stacked die or larger, or silicon interposers of 30	Applies to categories 1 to 7 and 10 and expires on 21 July 2021.
16, Lead in linear incandescen	nt lamps with silicate coated tubes	Expires on 1 September 2013
used for professional reprogra	ent in high intensity discharge (HID) la phy applications e fluorescent powder (1 % lead by wei	·
less) of discharge lamps when reprography, lithography, insec	used as speciality lamps for diazoprict traps,photochemical and curing ors such as SMS ((Sr,Ba)2MgSi2O7:F	nting (b)
		Expires on: - 21 July 2021 for categories 1-7 and 10; - 21 July 2021 for categories 8 and 9 other than in vitro
	fluorescent powder (1 % lead by weignused as sun tanning lamps containing 2O5 :Pb)	ght or diagnosticmedical devices and
AUAR HUAR	HUAN .	instruments, and for category 11.
less) of discharge lampscontai when used in medical photothe	TALL.	byentry 34 of Annex IV, and expires on 21 July 2021.
	PblnSn-Hg in specific compositions as auxiliary amalgam in very compact e	
	or bonding front and rear substrates or uid Crystal Displays (LCDs)	f flat Expires on 1 June 2011



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Dinn.	Exemptions	NATURAL PARTY
RoHS Direct	tive 2011/65/EU ANNEX III and (E	U)2017/2102
Exemption Items		Expires Date
21, Lead and cadmium in printing inks glasses, such as borosilicate and soda		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 colour profunctions, used as a component in light displays and control panels of EEE		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 the a such as borosilicate and soda lime glas		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 application borosilicate glasses	cation of enamels on other than	Applies to categories 1 to 7 and 10 and expires on 21 July 2021.
23, Lead in finishes of fine pitch compo pitch of 0,65 mm and less	onents other than connectors with a	May be used in spare parts for EEE placed on the market before 24 September 2010
24, Lead in solders for the soldering to and planar array ceramic multilayer ca		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, - 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.
25, Lead oxide in surface conduction e in structural elements, notably in the se	ALTERNATION AND ACTION ACTION AND ACTION	
26,Lead oxide in the glass envelope of		Expires on 1 June 2011
27,Lead alloys as solder for transducer (designated to operate for several hour dB SPL and above) loudspeakers		Expired on 24 September 2010



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TING	Exemption	ons mig	TING
Ro	HS Directive 2011/65/EU ANN	NEX III and (EU)2017/2102	
Exemption Items		Expires D	ate
CESTING HUAN TESTING	O HARTESTING O HART	and 10;	2021 for categories 1-7 2021 for categories 8 and
29, Lead bound in crystal glas and 4) of Council Directive 69	ss as defined in Annex I (Categ 9/493/EEC (¹)	diagnostic industrial r instrumen - 21 July 2 vitro diagn	medical devices and monitoring and ontrol
WAY TESTING		industrial r	monitoring and control ts, and for category 11.
conductors located directly or	ical/mechanical solder joints to n the voice coil in transducers u ound pressure levels of 100 dB	elec-trical used in high-	6
31, Lead in soldering materia	ls in mercury free flat fluoresce d crystal displays, design or indi	nt lamps	HUAKTES
and Krypton laser tubes	ed for making window assemblie	and 10, - 21 July 2 9 other that medical de monitoring - 21 July 2 vitro diagn - 21 July 2 industrial i	2021 for categories 1-7 2021 for categories 8 and an in vitro diagnostic evices and industrial g and control instruments, 2023 for category 8 in postic medical devices, 2024 for category 9 monitoring and control ts, and for category 11.
diameter and less in power tr			HUAKTES
34, Lead in cermet-based trin	nmer potentiometer elements	on: - 21 July 2 and 10, - 21 July 3 9 other that medical de monitoring - 21 July 2 vitro diagn - 21 July 2	all categories; expires 2021 for categories 1-7 2021 for categories 8 and an in vitro diagnostic evices and industrial g and control instruments, 2023 for category 8 in nostic medical devices, 2024 for category 9
TESTING			monitoring and control ts, and for category 11.



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	Exemptions	
RoHS Directi	ive 2011/65/EU ANNEX III and (EU)	2017/2102
Exemption Items		Expires Date
36, Mercury used as a cathode sputterion 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 volt borate 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 this bonded beryllium oxide	MAKTESI	instruments, and for category 11.
39(a), Cadmium selenide in downshiftin nanocrystal quantum dots for use in dis Cd per mm2 of display screen area)		Expires for all categories on 31 October 2019
40, Cadmium in photoresistors for analoprofessional audio equipment	ogue optocouplers applied in	Expires on 31 December 2013
41, Lead in solders and termination finis components and finishes of printed circ and other electrical and electronic engir technical reasons must be mounted direcylinder of hand-held combustion engin Directive 97/68/EC of the European Par	uit boards used in ignition modules ne control systems, which for ectly on or in thecrankcase or es (classes SH:1, SH:2, SH:3 of	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 dies internal combustion engines applied in equipment:- with engine total displacem total displacement < 15 litres and the erapplications where the time between sign required to be less than 10 seconds; or performed in a harsh and dirty outdoor construction, and agriculture application	non-road professional use nent ≥ 15 litres; or - with engine ngine is designed to operate in gnal 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	TING TING			
RoHS Directive 2011/65/EU ANNEX III and (EU)2017/2102				
Exemption Items	Expires Date			
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	MAN TESTING HAN TESTING			
exceed: (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	Applies to category 11 and expires on 21 July 2024			
(b) 10 % by weight of the rubber for rubbercontaining components not 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	HUAKTESTING HUAKTESTING			
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 **

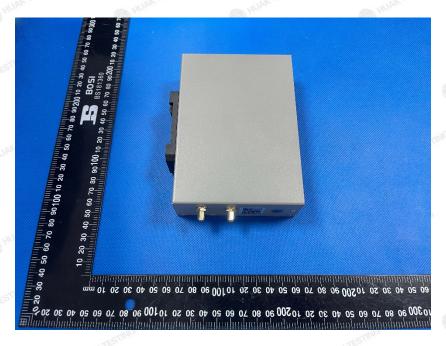
	Modified	a inotory	Co
Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2024/05/06	Jason Zhou
	- HUAYTES!	- HUAKTES!	
TESTING	K TESTING	A TESTING	TESTING

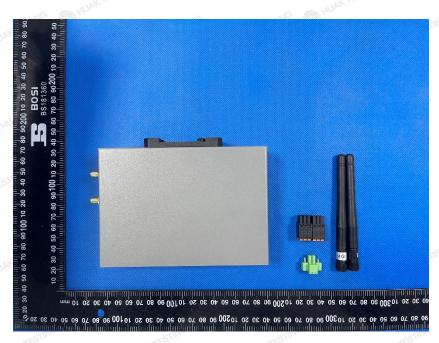




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Photo(s) of the sample(s)



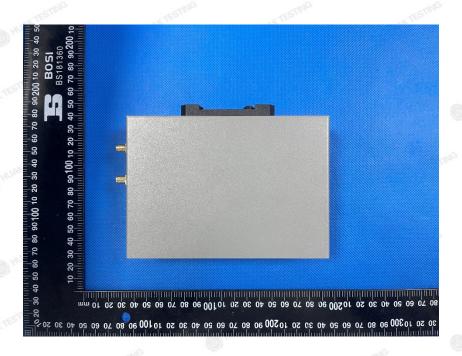


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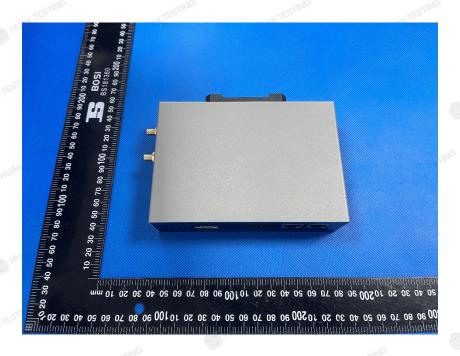
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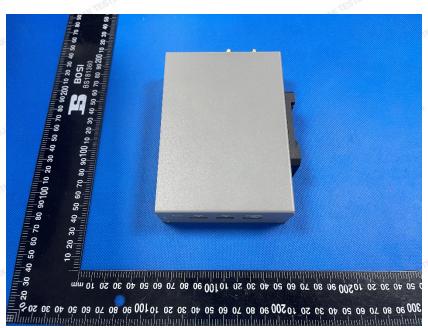






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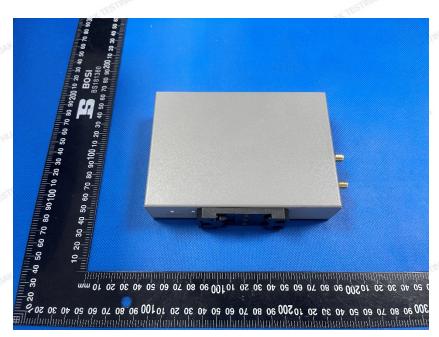






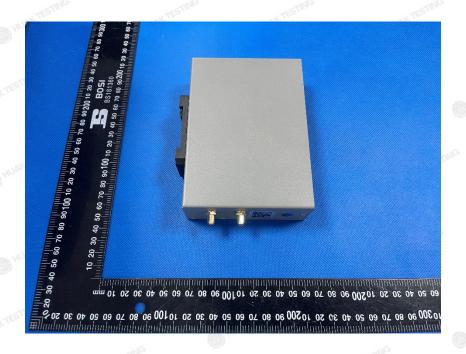
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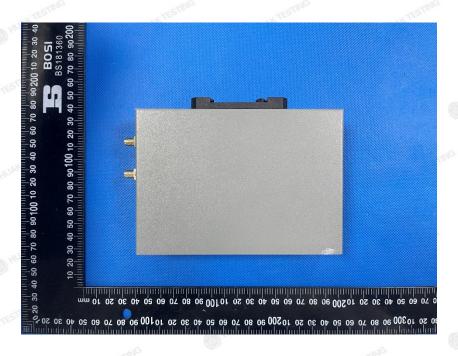


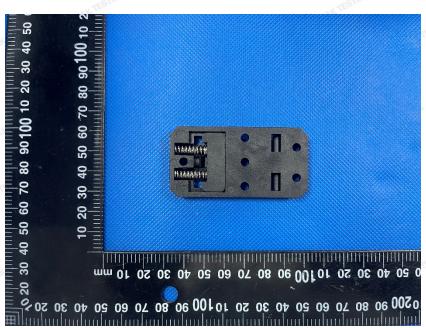
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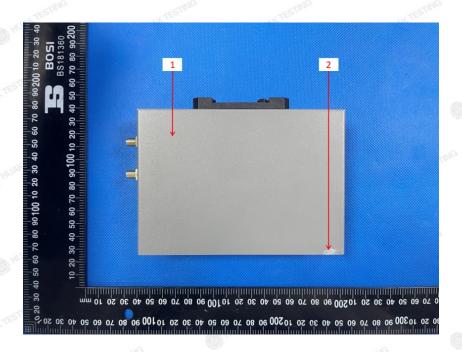
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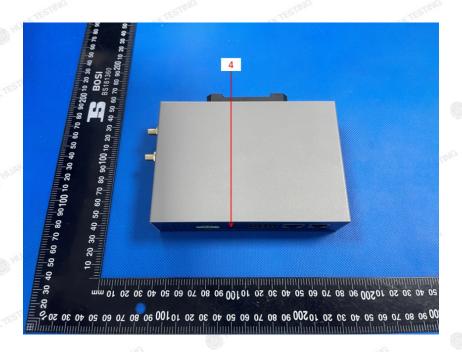
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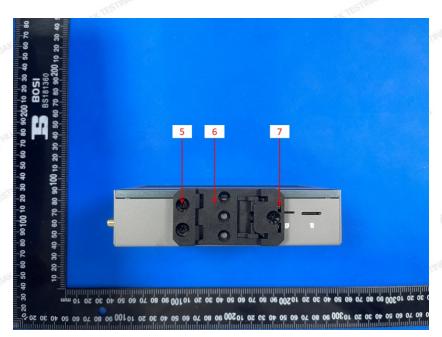






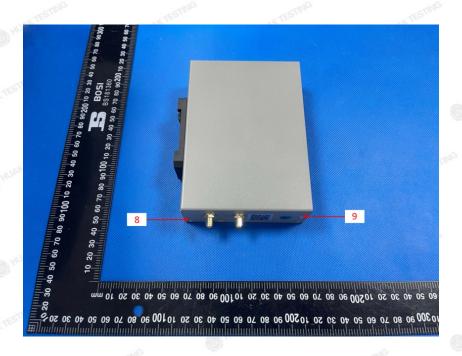
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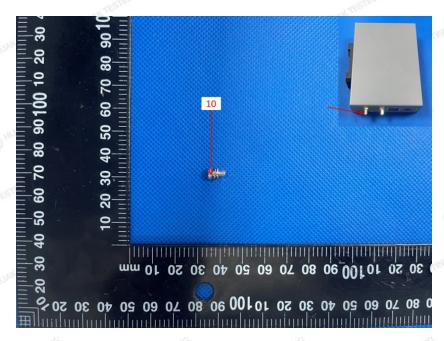






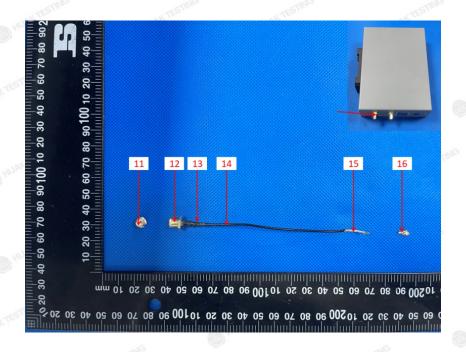
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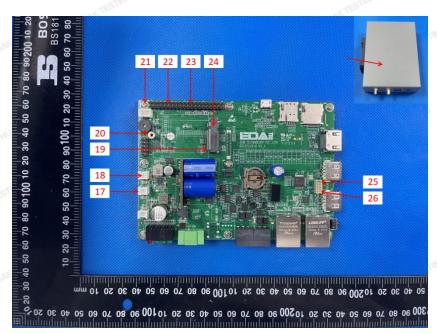






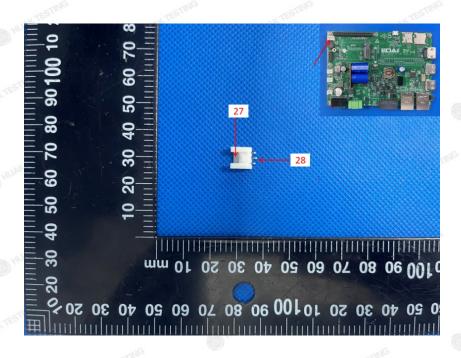
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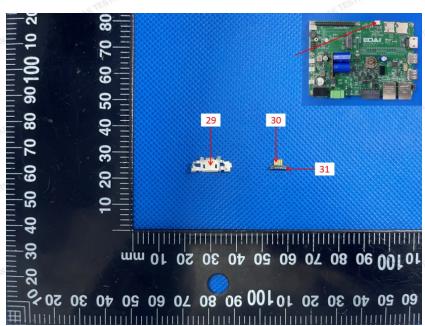






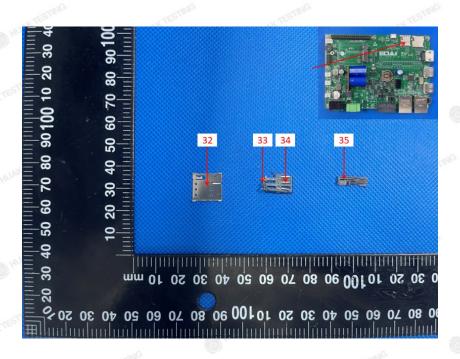
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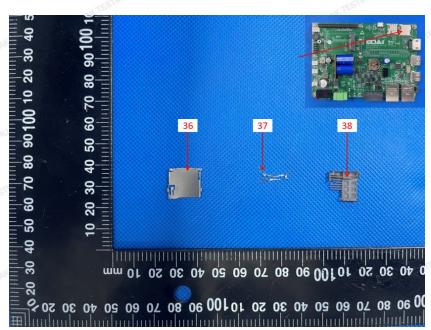






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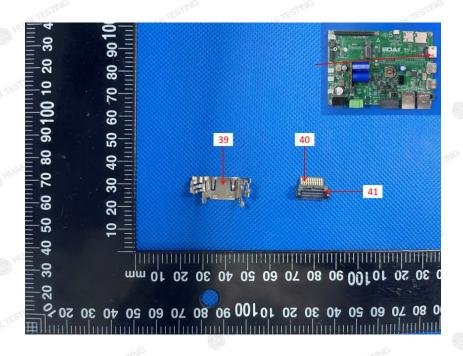


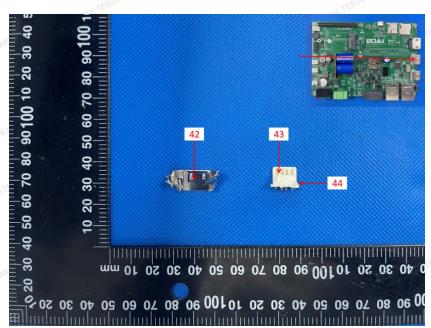
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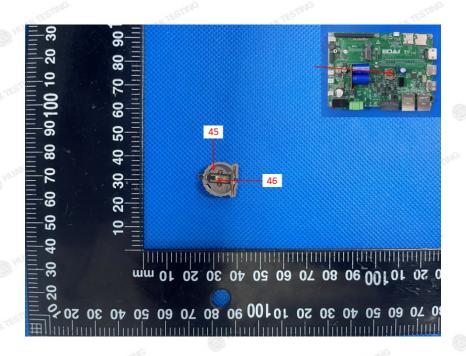
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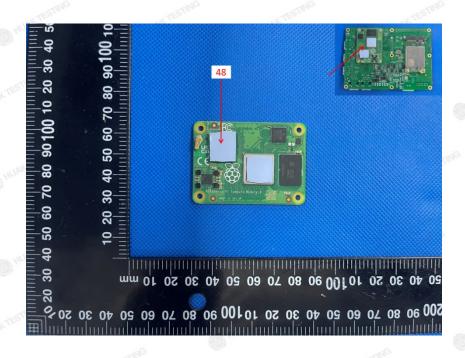
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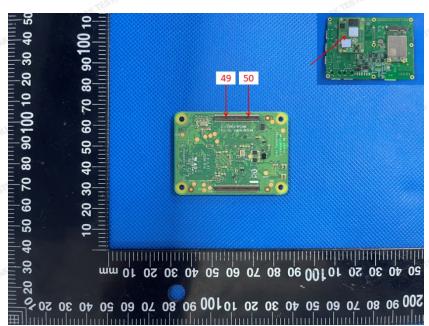






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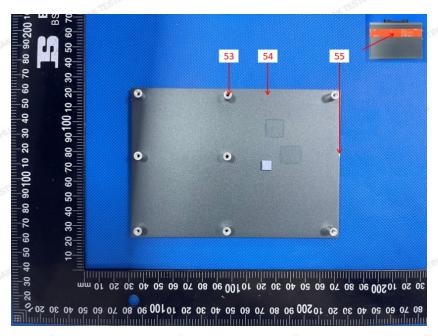


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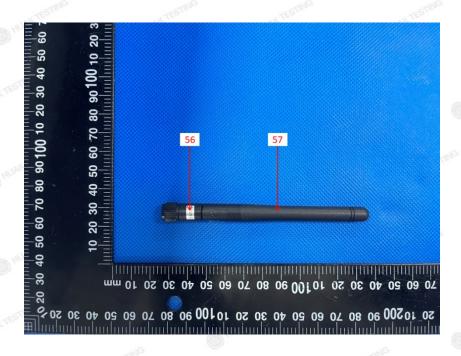
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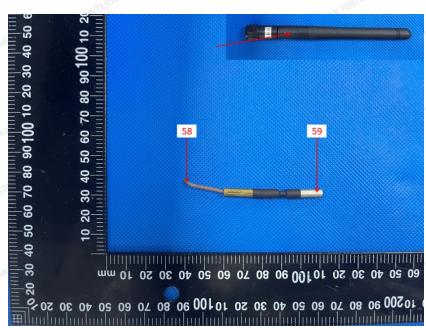






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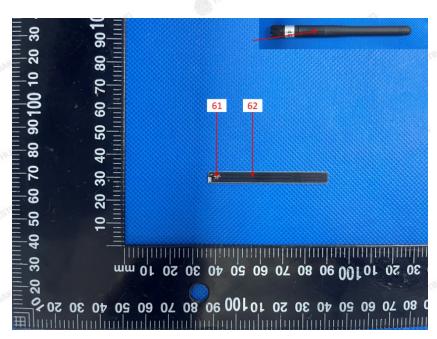






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