ROHS TEST REPORT

Report Reference No. ……..:	Q01A22050723C00101
Engineer (name + signature) ……..:	Beta Peng
Reviewed (name + signature) ……..:	Gary Liang
Approved by (name + signature) ……..:	Bruce Yu
Date of issue ……..…...:	2022-06-01
Testing Laboratory ……..:	Dong Guan Anci Electronic Technology Co., Ltd
Address ……..:	1-2 Floor, Building A, No.11, Headquarters 2 Road, Songshan Lake Hi-tech Industrial Development Zone, Dongguan City, Guangdong Pr., China.
Applicant's name .....:	Shenzhen Merryking Electronics Co., Ltd.
Address .....:	8F, Bldg A, Nanbiantou S&T Park, Tianyang 2nd Road, Orient al Community, Songgang Street, Bao'an District, Shenzhen 5 18105, Guangdong, China
Test specification.....:	
Test item description .....:	AC/DC Adapter
Trade Mark .....:	Merryking
Model/Type reference .....:	MKF-aaabbbbx, MKF-aaabbbbxD, MKF-aaabbbbxyyD, MKF-aaabbbbzz, MKF-aaabbbbzzz, MKF-aaabbbbAnn, MKF-aaabbbbAnnn, MK-aaabbbbx, MK-aaabbbbxD, MK-aaabbbbxyyD, MK-aaabbbbzz, MK-aaabbbbzzz, MK-aaabbbbAnn, MK-aaabbbbAnnn (aaa, bbbb, x, yy, zz, zzz, nn and nnn are variables, see model list for details)
Conclusion ……:	Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) , and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.
Test Method……..:	(1)With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES. (2)With reference to IEC 62321-5:2013, determination of Lead by ICP-OES. (3)With reference to IEC 62321-4:2013+AMD1:2017, determination of Mercury by ICP-OES. (4)With reference to IEC 62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis and/or with reference to IEC 62321-5:2013, determination of Chromium by ICP-OES. (5)With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. (6)With reference to IEC 62321-8:2017, determination of phthalates by GC-MS.
Testing Period……..:	Selected test(s) as requested by client.
Test result ……..:	Pass

1. GENERAL INFORMATION

1.1 CERTIFICATION

Testing Laboratory ..... :	Dong Guan Anci Electronic Technology Co., Ltd.
Address ..... :	1-2 Floor, Building A, No.11, Headquarters 2 Road, Songshan Lake Hi-tech Industrial Development Zone, Dongguan City, Guangdong, China
Applicant's name..... :	Shenzhen Merryking Electronics Co., Ltd.
Address ..... :	8F, Bldg A, Nanbiantou S&T Park, Tianyang 2nd Road, Oriental Community, Songgang Street, Bao'an District, Shenzhen 518105, Guangdong, China
Manufacturer..... :	Shenzhen Merryking Electronics Co., Ltd.
Address……..:	8F, Bldg A, Nanbiantou S&T Park, Tianyang 2nd Road, Oriental Community, Songgang Street, Bao'an District, Shenzhen 518105, Guangdong, China
Test specification…….:	
Test item description ..... :	AC/DC Adapter
Trade Mark..... :	Merryking
Model/Type reference ..... :	MKF-aaabbbbx, MKF-aaabbbbxD, MKF-aaabbbbxyyD, MKF-aaabbbbzz, MKF-aaabbbbzzz, MKF-aaabbbbAnn, MKF-aaabbbbAnnn, MK-aaabbbbx, MK-aaabbbbxD, MK-aaabbbbxyyD, MK-aaabbbbzz, MK-aaabbbbzzz, MK-aaabbbbAnn, MK-aaabbbbAnnn (aaa, bbbb, x, yy, zz, zzz, nn and nnn are variables, see model list for details)
Standards ..... :	IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-2:2017, IEC 62321-8:2017

The device described above was tested by Dong Guan Anci Electronic Technology Co., Ltd. to determine the maximum emission levels emanated from the device and severity levels of the device endure and its performance criterion. The measurement results are contained in this test report and A Dong Guan Anci Electronic Technology Co., Ltd. assumes full responsibility for the accuracy and completeness of these measurements. This report shows the EUT is technically compliance with the above official standards.

This report applies to the above sample only and shall not be reproduced in part without written approval of Dong Guan Anci Electronic Technology Co., Ltd.

Model list:

Model No.	Output			Transformer (T1)
	Voltage (Vdc)	Current (mA)	Max. Watt (W)	
MKF-aaabbbbx, MKF-aaabbbbxD, MKF-aaabbbbxyyD, MKF-aaabbbbzz, MKF-aaabbbbzzz, MKF-aaabbbbAnn, MKF-aaabbbbAnnn, MK-aaabbbbx, MK-aaabbbbxD, MK-aaabbbbxyyD, MK-aaabbbbzz, MK-aaabbbbzzz, MK-aaabbbbAnn, MK-aaabbbbAnnn	5.0-8.0	1-8000	48.0	T01
	8.1-10.0	1-6000	60.0	
	10.1-15.0	1-5000	60.0	
	15.1-24.0	1-4000	65.0	
	24.1-48.0	1-2600	65.0	T02

Rmark:

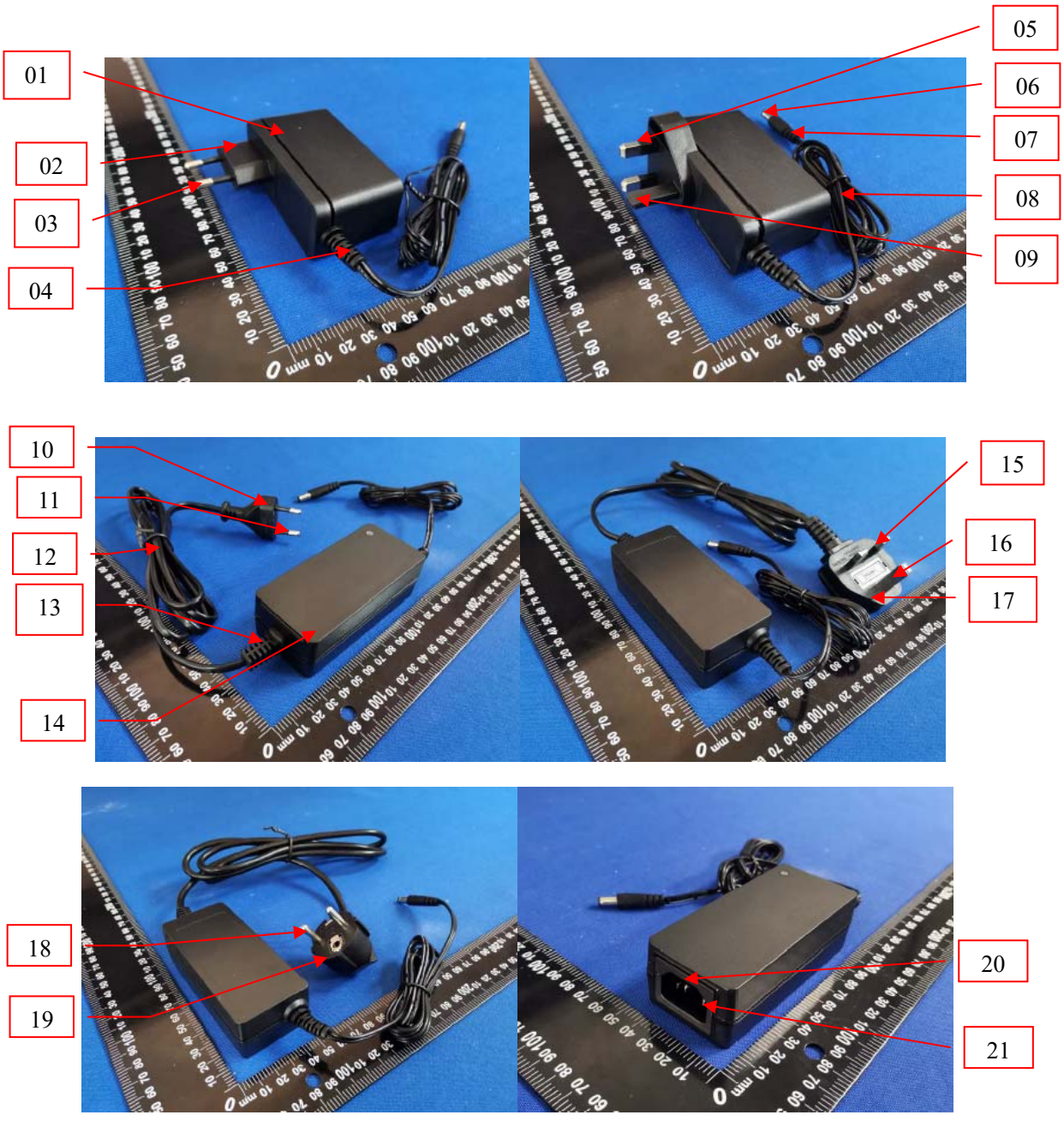
1. aaa=050-480 stands for rated output voltage 5.0-48.0VDC with step of 0.1VDC;
2. bbbb=0001-8000 stands for rated output current 0.001-8.0A with step of 0.001A;
3. x=H, D or V stands for different enclosure shape: H=Direct plug-in horizontal enclosure A, D=Direct plug-in detachable plug enclosure B, V=Direct plug-in vertical enclosure C,
4. yy=EU, UK or EX stands for different AC plug type: EU=Europe plug, UK=Britain plug, EX=Detachable plug type (When x=D);
5. zz=C6, A6 or C8; zzz= C14 or A14 stands for desktop enclosure with AC inlet:
C6 stands for desktop enclosure with Class I C6 inlet,
A6 stands for desktop enclosure with Class I C6 inlet (without ground wire),
C8 stands for desktop enclosure with Class II C8 inlet,
C14 stands for desktop enclosure with Class I C14 inlet,
A14 stands for desktop enclosure with Class I C14 inlet (without ground wire);
6. nn=EU or UK stands for desktop enclosure with non-detachable power supply cord:
EU stands for desktop enclosure with non-detachable power supply cord equipped with Class II Europe plug, UK stands for desktop enclosure with non-detachable power supply cord equipped with Class II Britain plug
7. nnn=EUG or UKG stands for desktop enclosure with non-detachable power supply cord:
EUG stands for desktop enclosure with non-detachable power supply cord equipped with Class I Europe plug, UKG stands for desktop enclosure with non-detachable power supply cord equipped with Class I Britain plug or Singapore plug

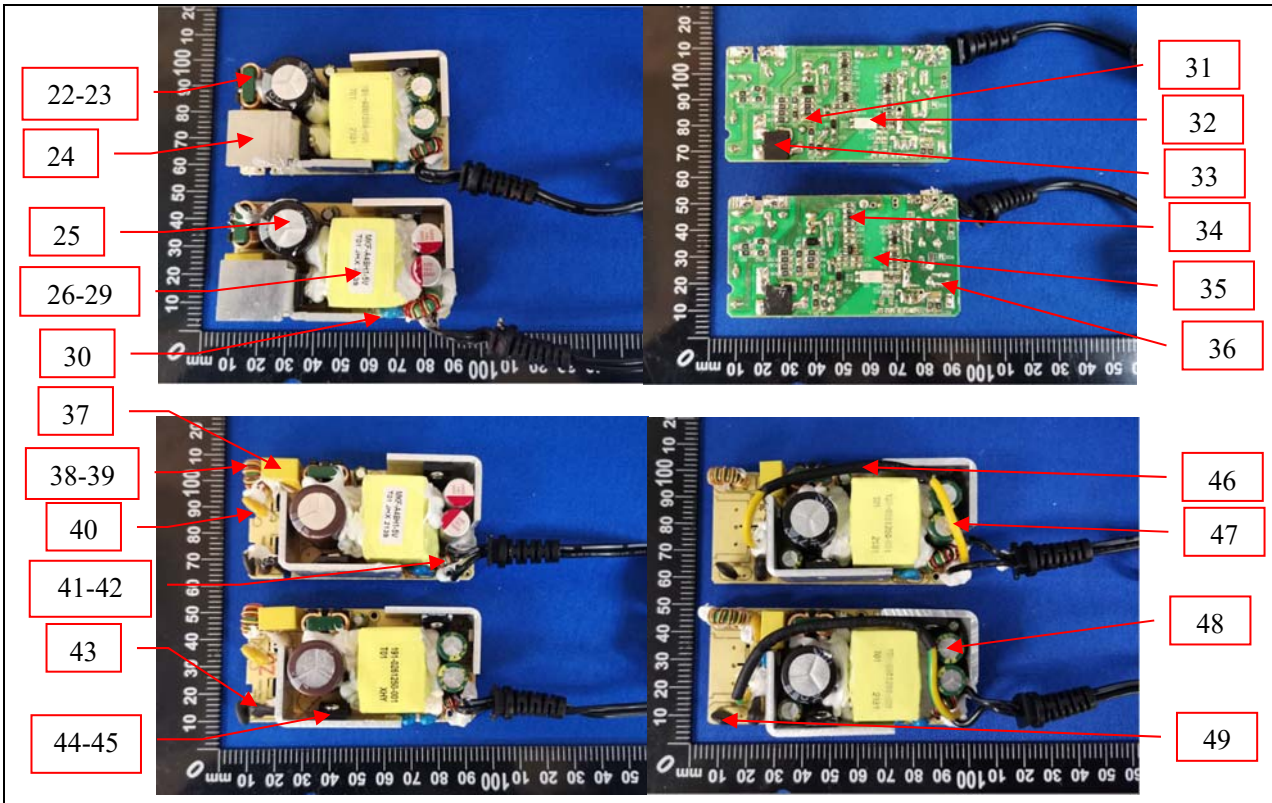
2. GENERAL INFORMATION

2.1Product Information

- **The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client.**

Test item description and photo list





Test Item（s）	Description	Style
01	Black plastics (Enclosure)	--
02	Black plastics (Plug holder)	--
03	Metal pin	--
04	Strain relief	--
05	Metal pin	--
06	Metal materials (Output connector)	--
07	Black plastics (Output connector)	--
08	Black plastics (DC wire)	--
09	Plastics pin	--
10	Black plastics (Plug)	--
11	Metal pin	--
12	Black plastics (Power supply cord)	--
13	Strain relief	--
14	Black plastics (Enclosure)	--
15	Metal pin	--
16	Metal pin	--
17	Black plastics (Plug)	--
18	Metal pin	--
19	Black plastics (Plug)	--
20	Black plastics (AC Inlet)	--
21	Metal pin	--

22	Magnet wire (Choke)	--
23	Black plastics (Bobbin)	--
24	Metal materials (Heat sink)	--
25	Black and white body with white printing (Capacitor)	--
26	Black plastics (Transformer bobbin)	--
27	Yellow plastics (Transformer tape)	--
28	Metal wire (Transformer Magnet wire)	--
29	White paper with black printing (Transformer label)	--
30	Blue plastics (Y capacitor)	--
31	Brown plastics (SMD capacitor)	--
32	White plastics (Optocoupler)	--
33	Black plastics (Diode)	--
34	Black plastics (SMD resistor)	--
35	Green plastics (PCB)	--
36	Soldering tin	--
37	Yellow plastics (X-capacitor)	--
38	Green magnet (Line choke core)	--
39	Metal wire (Line choke magnet wire)	--
40	Yellow plastics (Varistor)	--
41	Green magnet (Line choke core)	--
42	Metal wire (Line choke magnet wire)	--
43	Black plastics (Fuse heat shrinkable tube)	--
44	Metal (Screw)	--
45	Black plastics (Mosfet)	--
46	Black plastics (Earth wire heat shrinkable tube)	--
47	Green and yellow plastics (Earth wire)	--
48	Green and white body with white printing (Capacitor)	--
49	Black plastics (Thermistor)	--

3. TEST DATA REPORT

Screening test for the specified hazardous substances of RoHS for the selected materials of the submitted sample:

-Heavy Metal (Cadmium, Chromium, Mercury, Lead) Content Test

-Bromine Content Test

According to IEC 62321-3-1:2013, and Quantification analyzed with Energy Dispersive X-ray Fluorescence Spectrometers.

Test Item（s）	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
01	ND	ND	ND	ND	ND
02	ND	ND	ND	ND	ND
03	ND	ND	ND	ND	N.A.

Test Item (s)	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
04	ND	ND	ND	ND	ND
05	ND	ND	ND	ND	N.A.
06	ND	ND	ND	ND	N.A.
07	ND	ND	ND	ND	ND
08	ND	ND	ND	ND	ND
09	ND	ND	ND	ND	N.A.
10	ND	ND	ND	ND	ND
11	ND	ND	ND	ND	N.A.
12	ND	ND	ND	ND	ND
13	ND	ND	ND	ND	ND
14	ND	ND	ND	ND	ND
15	ND	ND	ND	ND	N.A.
16	ND	ND	ND	ND	N.A.
17	ND	ND	ND	ND	ND
18	ND	ND	ND	ND	N.A.
19	ND	ND	ND	ND	ND
20	ND	ND	ND	ND	ND
21	ND	ND	ND	ND	N.A.
22	ND	ND	ND	ND	ND
23	ND	ND	ND	ND	ND
24	ND	ND	ND	ND	N.A.
25	ND	ND	ND	ND	ND
26	ND	ND	ND	ND	ND
27	ND	ND	ND	ND	ND
28	ND	ND	ND	ND	N.A.
29	ND	ND	ND	ND	ND
30	ND	ND	ND	ND	ND
31	ND	ND	ND	ND	ND
32	ND	ND	ND	ND	ND
33	ND	ND	ND	ND	ND
34	ND	ND	ND	ND	ND
35	ND	ND	ND	ND	ND
36	ND	ND	ND	ND	N.A.
37	ND	ND	ND	ND	ND
38	ND	ND	ND	ND	ND

Test Item (s)	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
39	ND	ND	ND	ND	N.A.
40	ND	ND	ND	ND	ND
41	ND	ND	ND	ND	ND
42	ND	ND	ND	ND	N.A.
43	ND	ND	ND	ND	ND
44	ND	ND	ND	ND	N.A.
45	ND	ND	ND	ND	ND
46	ND	ND	ND	ND	ND
47	ND	ND	ND	ND	ND
48	ND	ND	ND	ND	ND
49	ND	ND	ND	ND	ND

NOTE:
1. All Concentrations express in “mg/kg” (milligram per kilogram), mg/ kg~ppm 1mg/kg=0.0001%
2. “OL” denotes “over limit”
3. “ND” denotes “Not Detected” (＜ method detection limit)
4. “N.A.” denotes “Not Applicable”
5. “Inconclusive” denotes result is intermediate between “OL” and “ND”.
6. ^”denotes the screening result was inconclusive(X) or over limit (OL),thus further confirmation test was conducted, results are listed in in 2.2 A and B.
7. “φ” denotes as the information(the submitted sample is electronic ceramic part) provided by the client, when Lead in electronic ceramic parts is exempted from RoHS Directive (EU)2015/863 amending Annex II to Directive 2011/65/EU. Annex III. XRF screening limits for different materials:

Materials		Concentration(mg/kg)			
	Cd	Cr	Pb	Hg	Br
Metal	BL≤(70-3σ)<X<(130+3σ)≤OL	BL≤(700-3σ)<X	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(700-3σ)<X<(1300+3σ)≤OL	N.A.
Polymers	BL≤(70-3σ)<X<(130+3σ)≤OL	BL≤(700-3σ)<X	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(300-3σ)<X
Composite material	BL≤(50-3σ)<X<(150+3σ)≤OL	BL≤(500-3σ)<X	BL≤(500-3σ)<X<(1500+3σ)≤OL	BL≤(500-3σ)<X<(1500+3σ)≤OL	BL≤(250-3σ)<X

Remark: 1.The screening results are only used for reference.
2. 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.
3. #1According to the client’s statement, the material of the sample(s) fall intoexemption items 7(c)-I according to EU Directive (EU)2015/863 amending Annex II to Directive 2011/65/EU. and 2011/534/EU: 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.
#2According to the client's statement, the material of the sample(s) fall into exemption items 7(a) according to EU Directive (EU)2015/863 amending Annex II to Directive 2011/65/EU. and 2011/534/EU: Lead in high melting temperature type solders(i.e. lead-based alloys containing 85% by weight of more lead).

3.2 Test Method

A. Test for Heavy Metals

Lead, Cadmium, Hexavalent Chromium and Mercury Tests according to IEC62321-4:2013 &IEC62321-5:2013&IEC 62321-7:2015&IEC 62321-7-2:2017.

Element	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Mercury [mg/kg]	Hexavalent Chromium [-] [ug/cm^2]	Hexavalent Chromium [mg/kg]
Detection Limit	**5**	**5**	**5**	**Δ 0.10**	**5**
RoHS Requirements	**100**	**1000**	**1000**	#	**1000**
/	/	/	/	/	/

Note:

1. All Concentrations express in“mg/kg” (milligram per kilogram), mg/kg~ppm.
2. “N.D.”=“NotDetected”.
3. Δ=Spot-Test:

   Negative=Absence of CrVI coating, Positive=Presence of CrVI coating; (The tested sample should be further verified by boiling-water-extraction method if the spot test result is negative or cannot be confirmed.)
   Boiling-water-extraction:

   Negative=Absence of CrVI coating
   Positive=Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02mg/kg with 50cm2 sample surface area.
   Storage conditions and production date of the tested sample are unavailable and thus results of Cr(VI) represent status of the sample at the time of testing
4. #=Positive indicates the presence of CrVI on the tested areas. Negative indicates the absence of CrVI on the tested areas.
5. “-”=Not regulated
6. *=Sample is copper alloy allow containing up to 4% lead by weight.

B. Test for Flame retardants

Test Method: With reference to IEC62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit: 5mg/kg]

Test Item		Result [mg/kg]		RoHS Requirement [mg/kg]
		08	17	
PBBs	Monobromobiphenyl	<5	<5	Sum of PBBs<1000
	Dibromobiphenyl	<5	<5	
	Tribromobiphenyl	<5	<5	
	Tetrabromobiphenyl	<5	<5	
	Pentabromobiphenyl	<5	<5	
	Hexabromobiphenyl	<5	<5	
	Heptabromobiphenyl	<5	<5	
	Octabromobiphenyl	<5	<5	
	Nonabromobiphenyl	<5	<5	
	Decabromobiphenyl	<5	<5	
	Sum of PBBs	<5	<5	
PBDEs	MonobromodiphenylEther	<5	<5	Sum of PBDEs<1000
	DibromodiphenylEther	<5	<5	
	TribromodiphenylEther	<5	<5	
	TetrabromodiphenylEther	<5	<5	
	PentabromodiphenylEther	<5	<5	
	HexabromodiphenylEther	<5	<5	
	HeptabromodiphenylEther	<5	<5	
	OctabromodiphenylEther	<5	<5	
	NonabromodiphenylEther	<5	<5	
	DecabromodiphenylEther	<5	<5	
	Sum of PBDEs	<5	<5	

Note:

1. All Concentrations express in “mg/kg” (milligram per kilogram), mg/kg~ppm.
2. “<”denotes less than

C. Test for Flame retardants

Test Method: With reference to IEC62321-8:2017, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit: 1000mg/kg]

Sample No.	Test Item	Result	Test Item	Result	Test Item	Result	Test Item	Result
01	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
02	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
03	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
04	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
05	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
06	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
07	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
08	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
09	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
10	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
11	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
12	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND

13	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
14	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
15	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
16	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
17	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
18	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
19	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
20	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
21	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
22	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
23	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
24	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
25	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
26	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND

27	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
28	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
29	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
30	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
31	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
32	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
33	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
34	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
35	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
36	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
37	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
38	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
39	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
40	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND

41	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
42	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
43	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
44	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
45	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
46	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
47	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
48	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND
49	Dibutyl phthalate (DBP)	ND	Butyl benzyl phthalate (BBP)	ND	Bis(2-ethylhexyl) phthalate (DEHP)	ND	Diisobutyl phthalate (DIBP)	ND

1. The maximum permissible limit is quoted from RoHS Directive(EU) 2015/863
2. Method Detection Limit=50mg/kg

4. EUT Photos

Figure 1. Over view, for models MKF-aaabbbbVEUD, MK-aaabbbbVEUD

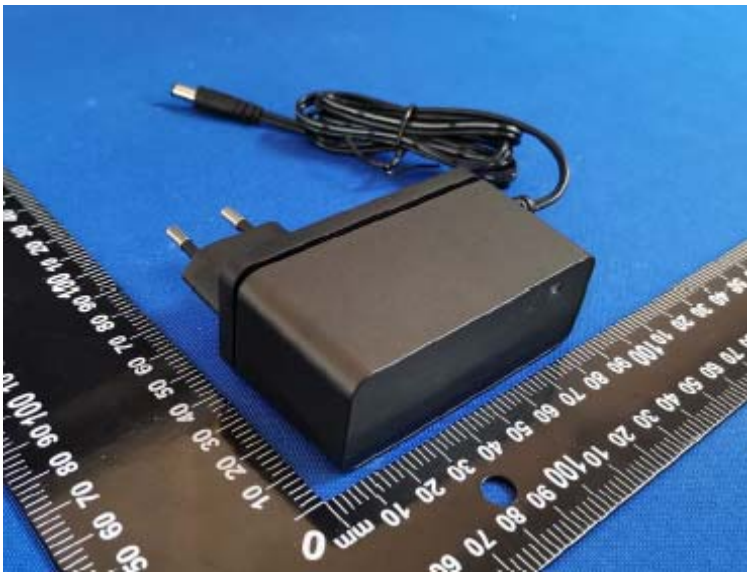


Figure 2. Over view, for models MKF-aaabbbbVEUD, MK-aaabbbbVEUD

Figure 3. Over view, for models MKF-aaabbbbVUKD, MK-aaabbbbVUKD

Figure 4. Over view, for models MKF-aaabbbbVUKD, MK-aaabbbbVUKD

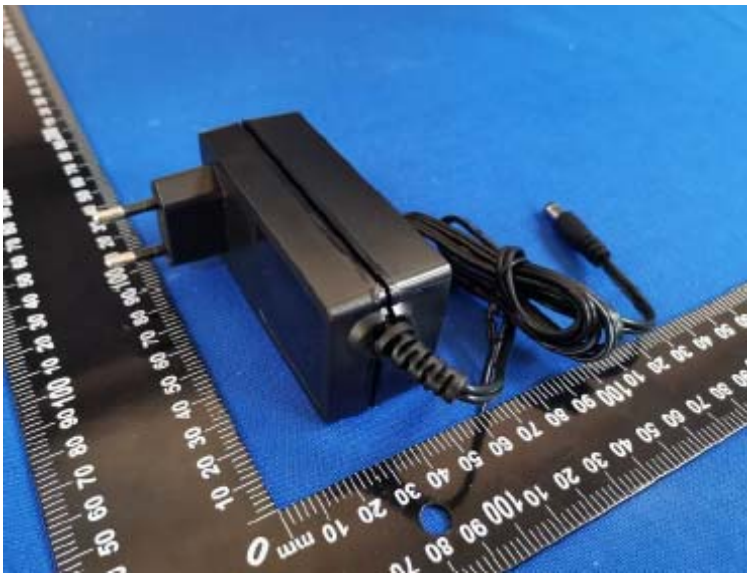


Figure 5. Over view, for models MKF-aaabbbbHEUD, MK-aaabbbbHEUD

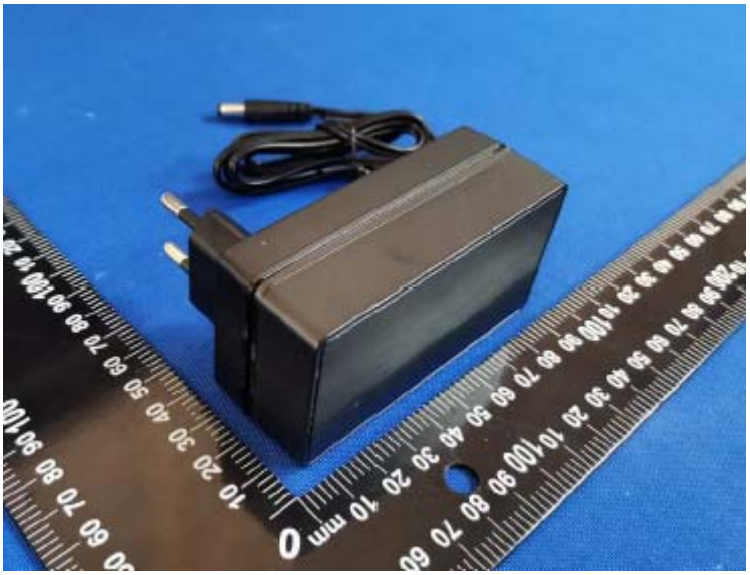


Figure 6. Over view, for models MKF-aaabbbbHEUD, MK-aaabbbbHEUD

Figure 7. Over view, for models MKF-aaabbbbHUKD, MK-aaabbbbHUKD

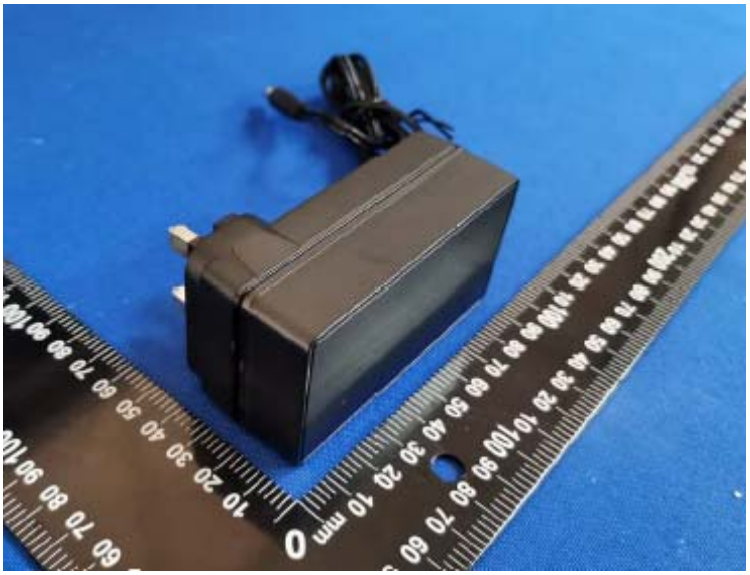


Figure 8. Over view, for models MKF-aaabbbbHUKD, MK-aaabbbbHUKD

Figure 9. Over view, for models MKF-aaabbbbDEXD, MK-aaabbbbDEXD

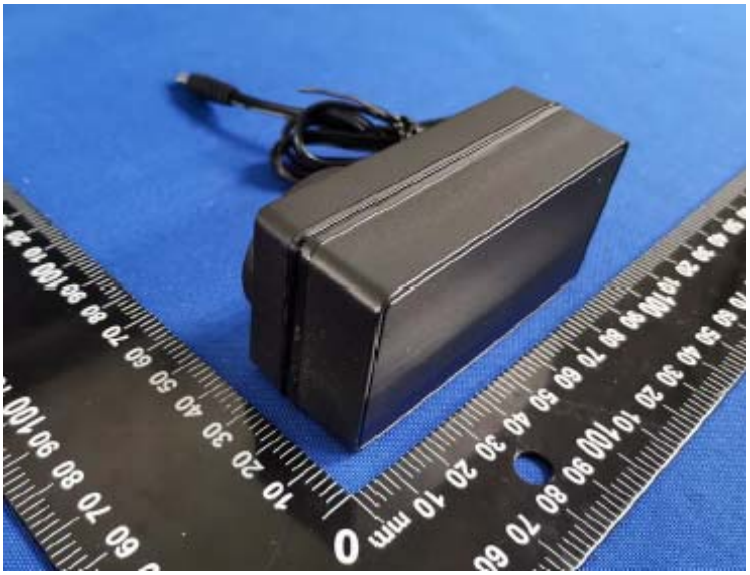


Figure 10. Over view, for models MKF-aaabbbbDEXD, MK-aaabbbbDEXD

Figure 11. Over view, for models, MKF-aaabbbbDEXD, MK-aaabbbbDEXD (with detachable EU plug)

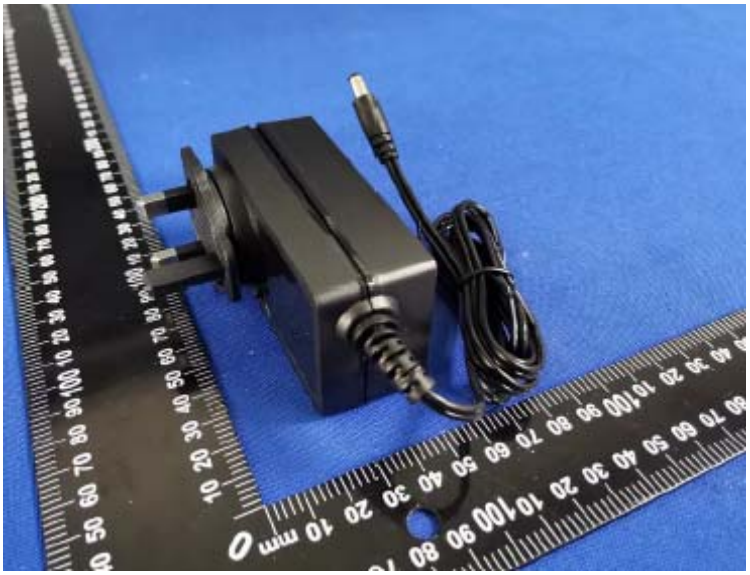


Figure 12. Over view, for models, MKF-aaabbbbDEXD, MK-aaabbbbDEXD (with detachable UK plug)

Figure 13. Over view, for models MKF-aaabbbbAEU, MK-aaabbbbAEU

Figure 14. Over view, for models MKF-aaabbbbAEU, MK-aaabbbbAEU

Figure 15. Over view, for models MKF-aaabbbbAUK, MK-aaabbbbAUK

Figure 16. Over view, for models MKF-aaabbbbAUK, MK-aaabbbbAUK

Figure 17. Over view, for models MKF-aaabbbbAEUG, MK-aaabbbbAEUG

Figure 18. Over view, for models MKF-aaabbbbAEUG, MK-aaabbbbAEUG

Figure 19. Over view, for models MKF-aaabbbbAUKG, MK-aaabbbbAUKG

Figure 20. Over view, for models MKF-aaabbbbAUKG, MK-aaabbbbAUKG

Figure 21. Over view, for models MKF-aaabbbbC14, MKF-aaabbbbA14, MK-aaabbbbC14, MK-aaabbbbA14

Figure 22. Over view, for models MKF-aaabbbbC14, MKF-aaabbbbA14, MK-aaabbbbC14, MK-aaabbbbA14

Figure 23. Over view, for models MKF-aaabbbbC6, MKF-aaabbbbA6, MK-aaabbbbC6, MK-aaabbbbA6

Figure 24. Over view, for models MKF-aaabbbbC8, MK-aaabbbbC8