

Report No.: IQTS20241396RC101 Page 1 of 29

Applicant : SHENZHEN ITOONER TECHNOLOGY CO., LTD

Address No.5 GangZai Road, Shangxing Community, Xinqiao Street, Baoan District,

Shenzhen, Guangdong, China

Manufacturer's

: Jiangxi GENATA Technology Co., Itd

ame

Address Building 3 , 5G Intelligent Industrial Park, Industrial Park, Ganzhou, Jiangxi.

China

Report on the submitted samples said to be:

Sample Name : Switch

Trade Mark : N/A

Tested model : GNT-P4804V6
Series models : See next page

Testing Period : March 04, 2024 ~March 12, 2024

Date of issue : March 14, 2024

Results : Please refer to next page(s).

TEST REQUEST CONCLUSION

According to the customer's request, based on the performed tests on submitted sample, the result of Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, Dibuyl Phthalate(DBP), Benzylbutyl Phthalate(BBP), Bis(2-ethylhexyl) Phthalate(DEHP), Diispbutyl phthalate(DIBP) content comply with the limit as set of RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Pass

Signed for and on behalf of IQTS







Report No.: IQTS20241396RC101 Page 2 of 29

GNT-P4804V6, GNT-P9206EA, GNT-P9206EB, GNT-P9109EA, GNT-P9808V6, GNT-P9828V6; GNT-P1210SG, GNT-P4803V6, GNT-P4804V6, GNT-P4813V6, GNT-P4815V6, GNT-RP1420ES, GNT-MP1420ES, GNT-P1614ES, GNT-RP1428ES; GNT-P1006GA, GNT-P1008G6, GNT-P1210G7, GNT-P1012G6, GNT-P1307G6, GNT-P1018G6, GNT-P1026G6, GNT-P1412G6, GNT-MP1420G6, GNT-RP1420G6, GNT-RP1420G6, GNT-P4804F6, GNT-P4813F6, GNT-P4815F6,

GNT-P9109EA-F, GNT-P9828F6, GNT-P4804F6, GNT-P4813F6, GNT-P4815F6, GNT-P1008G6-F, GNT-P1012G6-F; GNT-G1012L-F,

GNT-69P31, GNT-69P51G6, GNT-69P62E6, GNT-69P62GH, GNT-6FP31, GNT-6FP51G6, GNT-P9806V6, GNT-P1006G6, GNT-53011, GNT-53003, GNT-5313AB, GNT-69P01, GNT-69P02, GNT-P9105ES, GNT-P9109ES, GNT-P9210ES, GNT-P1210ES, GNT-E9005EL, GNT-E9008EL, GNT-G1207FEL, GNT-G1005EL, GNT-G1008EL, GNT-G1018L, GNT-G1026L, GNT-MG1117EL, GNT-RG1117EL, GNT-MG1125EL, GNT-RG1125EL; GNT-P5420GC, GNT-G5420GC, GNT-P5428GC, GNT-G5428GC, GNT-2826, GNT-G2008EL, G2005EL; GNT-P1002M6, GNT-P1802M6, GNT-P1802M7, GNT-P2804M6, GNT-G1002M6, GNT-G1802M6, GNT-G1802M7, GNT-G2804M6; GNT-P0602FMI, GNT-G0602FMI, GNT-P1002FMI, GNT-G1002FMI, GNT-P1608FMI, GNT-G1608FMI, GNT-IG1008GP-DC, GNT-IG1008GL-AC, GNT-IG1008GL-DC, GNT-IG1210FP-DC, GNT-IG1210FP-DC, GNT-IG1210FP-DC, GNT-IG1218FF-AC, GNT-IG1218FF-DC, GNT-IG1226FF-DC, GNT-IG1226F8-AC

Series models

GNT-G1608FMI, GNT-IG1008GP-AC, GNT-IG1008GP-DC, GNT-IG1008GL-AC, GNT-IG1008GL-DC, GNT-IG1210FP-DC, GNT-IG1210GF-DC, GNT-IG1210FP-AC, GNT-IG1210GF-AC, GNT-IG1218FP-DC, GNT-IG1218F8-AC, GNT-IG1218GF-DC, GNT-IG1218GF-DC, GNT-IG1218GF-AC, GNT-IG1218FP-AC, GNT-IG1226FP-DC, GNT-IG1226F8-AC, GNT-IG1226FP-AC, GNT-IG1226GF-AC, GNT-IG1226FP-AC, GNT-IG1226GF-AC, GNT-IG1226GF-AC, GNT-IG1226GF-AC, GNT-IG1226GF-AC, GNT-IG1226GF-AC, GNT-IG1226GF-AC, GNT-IG12210GF-AC, GNT-IP52130WS, GNT-IP52260WS, GNT-IP52520WS, GNT-P6428GC, GNT-MG9008T, GNT-RG9654GT, GNT-RG9428GT, GNT-RG9428GT, GNT-P3428GC, GNT-MG1206XT, GNT-RP9654GT, GNT-RP9428GT, GNT-P6428GC, GNT-G5826FG, GNT-G2420GC, GNT-G2008GL, GNT-P2428GC, GNT-P2420GC, GNT-P9XXXXX, GNT-P4XXXXX, GNT-P1XXXXX, GNT-69PXX, GNT-6FPXX, GNT-MPXXXX, GNT-P4XXXXX, GNT-P54XXXX, GNT-G54XXXX, GNT-G24XXXX, GNT-G24XXXX, GNT-IG33XX, GNT-EXXXX, GNT-MGXXXX, GNT-RGXXXXX, GNT-RP94XXXX, GNT-RP96XXXX, GNT-P34XXXX, GNT-RGXXXXX, GNT-RP94XXXX, GNT-RP94XXXX, GNT-P34XXXX, GNT-P34XXXX, GNT-RP94XXXX, GNT-RP94XXXX, GNT-P34XXXX, GNT-RP94XXXX, GNT-RP94XXXX, GNT-RP94XXXX, GNT-P34XXXX, GNT-RP94XXXX, GNT-RP96XXXX, GNT-P34XXXX, GNT-RP94XXXX, GNT-RP34XXXX



Report No.: IQTS20241396RC101 Page 3 of 29

Results:

A.EU RoHS Directive 2011/65/EU and its amendment directives on XRF

Test method: With reference to IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

	2 2 2 .				Results		
Seq. No.	Tested Part(s)	0.1	Q-) 	() E	3r ^v /S
Co		Cd	Pb	Hg	Cr [▼]	PBBs	PBDEs
1	Black plastic	BL	BL	BL	BL	BL	BL
2	ferrous metal	BL	BL	BL	BL	10	1
3	ferrous metal	BL	BL	BL	BL	<i>(1)</i>	,65
4	Black plastic	BL	BL	BL	BL	BL	BL
5	Black plastic (wire skin)	BL	BL	BL	BL	BL	BL
6	Black plastic	BL	BL	BL	BL	BL	BL
7	Silver metal	OL	OL	BL	Х	1	d
8	Silver metal	BL	BL	BL	BL	1	1
9	Black plastic	BL	BL	BL	BL	BL	BL
10	Black plastic	BL	BL	BL	BL	BL	BL
11	Black plastic	BL	BL	BL	BL	Х	Х
12	Green PCB board	BL	BL	BL	BL	Х	X
13	Silver metal	BL	BL	BL	BL	/	3-1
14	Black plastic	X	BL	BL	BL	X	Х
15	Black plastic	BL	BL	BL	BL	BL	BL
16	Black plastic	BL	BL	BL	X	X	X
17	Black plastic	BL	BL	BL	BL	BL	BL
18	Black plastic	BL	BL	BL	BL	BL	BL
19	Silver metal	BL	BL	BL	BL	10	1
20	Black plastic	BL	BL	BL	, X	Х	X
21	Black plastic	BL	BL	BL	BL	х	Х
22	Black plastic	BL	BL	BL	BL	X	Х
23	Black plastic	BL	BL	BL	BL	x	Х
24	Blue plastic	BL	BL	BL	BL	X	Х
25	Yellow PCB board	BL	BL	BL	BL	х	X
26	White plastic	BL	BL	BL	BL	Х	X





Report No.: IQTS20241396RC101 Page 4 of 29

		Results						
Seq. No.	Tested Part(s)	7-		4	7	-	Br [▼]	
140.	25 0 25	Cd	Pb	Hg	Cr [▼]	PBBs	PBDEs	
27	Black plastic	BL	BL	BL	BL	X	X	
28	Black plastic	BL	BL	BL	BL	X	Х	
29	Yellow plastic	BL	BL	BL	BL	X	Х	
30	soldering tin	BL	BL	BL	BL	BL	BL	
31	Black plastic	Х	BL	BL	BL	X	Х	
32	Yellow plastic	BL	BL	BL	BL	BL	BL	
33	Black plastic	X	BL	BL	BL	BL	BL	
34	White plastic (wire skin)	BL	BL	BL	BL	BL	BL	
35	Gold metal	BL	X	BL	BL	1	1	
36	Green Plastic	BL	BL	BL	BL	BL	BL	
37	Grey plastic	BL	BL	BL	BL	BL	BL	
38	Black plastic	BL	BL	BL	BL	BL	BL	
39	Gold metal	BL	BL	BL	BL	1	1	
40	White plastic	BL	BL	BL	BL	BL	BL	
41	Black plastic	BL	BL	BL	BL	BL	BL	
42	Silver metal	BL	BL	BL	BL	1	1	
43	Black plastic	BL	BL	BL	BL	x	Х	
44	Silver metal	BL	BL	BL	BL	C/	,ch	
45	Silver metal	BL	BL	BL	BL	1	1	
46	Black plastic	BL	BL	BL	BL	BL	BL	
47	ferrous metal	BL	BL	BL	BL	Po	1	
48	Silver plastic	BL	BL	BL	BL	BL	BL	
49	ferrous metal	BL	BL	BL	BL	1	1	
50	Silver metal	BL	BL	BL	Х	1	21	
51	White plastic	BL	BL	BL	BL	BL	BL	
52	Purple plastic	BL	BL	BL	BL	BL	BL	
53	Blue plastic	BL	BL	BL	BL	BL	BL	
54	Black plastic	BL	BL	BL	BLO	Х	Х	





Report No.: IQTS20241396RC101 Page 5 of 29

					Results		
Seq. No.	Tested Part(s)	Cd	Pb	Ua	Cr [▼]	Br [▼]	
	.0 0 .0 .	Ca	Pb	Hg		PBBs	PBDEs
55	Yellow plastic	BL	BL	BL	BL	X	Х
56	Black plastic	BL	BL	BL	BL	BL	BL
57	Blue plastic	BL	BL	BL	BL	BL	BL
58	Blue plastic	BL	BL	BL	BL	BL	BL
59	Gold metal	BL	BL	BL	BL	1	1
60	Grey plastic	BL	BL	BL C) X	BL	BL
61	Black plastic	BL	BL	BL	BL	BL	BL
62	Black plastic	BL	BL	BL	BL	BL	BL
63	Black plastic	BL	BL	BL	BL	X	X
64	Yellow plastic (wire skin)	BL	BL	BL	BL	BL	BL
65	Black plastic	BL	BL	BL	BL	Х	Х
66	Silver metal	BL	BL	BL	BL	1	1





Report No.: IQTS20241396RC101 Page 6 of 29

Note:

(1) Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ <x <130+3σ≤OL</x 	BL≤70-3σ <x <130+3σ≤OL</x 	BL≤50-3σ <x <150+3σ≤OL</x
Pb	mg/kg	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<>
Ца		<1300+3σ≤OL BL≤700-3σ <x< td=""><td><1300+3σ≤OL BL≤700-3σ<x< td=""><td><1500+3σ≤OL BL≤500-3σ<x< td=""></x<></td></x<></td></x<>	<1300+3σ≤OL BL≤700-3σ <x< td=""><td><1500+3σ≤OL BL≤500-3σ<x< td=""></x<></td></x<>	<1500+3σ≤OL BL≤500-3σ <x< td=""></x<>
Hg	mg/kg	<1300+3σ≤OL	<1300+3σ≤OL	<1500+3σ≤OL
Cr	mg/kg	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<>
Br	mg/kg	BL≤300-3σ <x< td=""><td></td><td>BL≤250-3σ<x< td=""></x<></td></x<>		BL≤250-3σ <x< td=""></x<>

Note:

BL = Below Limit
OL = Over Limit
X = Inconclusive

- (2) The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- (3) The maximum permissible limit is quoted from the document 2015/863/EC amending RoHS directive 2011/65/EU:
- (4) ▼=For restricted substances PBBs and PBDEs, the results show the total Br content; The restricted substance was Cr(VI), and the results showed the total Cr content





Report No.: IQTS20241396RC101 Page 7 of 29

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)						
Cadmium (Cd)	100						
Lead (Pb)	1000						
Mercury (Hg)	1000						
Hexavalent Chromium (Cr(VI))	1000						
Polybrominated biphenyls (PBBs)	1000						
Polybrominated diphenylethers (PBDEs)	1000						
Dibuyl Phthalate(DBP)	1000						
Benzylbutyl Phthalate(BBP)	1000						
Bis(2-ethylhexyl) Phthalate(DEHP)	1000						
Diispbutyl phthalate(DIBP)	1000						

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.





Report No.: IQTS20241396RC101 Page 8 of 29

B. EU RoHS Directive 2011/65/EU and its amendment Directives 2015/863/EU on Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, DBP, BBP, DEHP, DIBP content.

Test method:

Lead(Pb) & Cadmium(Cd) Content:

With reference to IEC 62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES)

Mercury(Hg) Content:

With reference to IEC 62321-4:2013+AMD1:2017 CSV, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES)

Hexavalent Chromium(Cr⁶⁺) Content:

With reference to IEC 62321-7-1:2015 or IEC 62321-7-2:2017, by alkaline digestion and analysis was performed by UV-visible spectrophotometer (UV-Vis)

PBBs & PBDEs Content:

With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

BBP DBP DEHP & DIBP Content:

With reference to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

1) The test results of Hexavalent Chromium (Cr6+) (for nonmetal)

ltana .	Unit	MDI	7 7.	Results		Limit			
Item	Unit	MDL	16	20	60	Limit			
Hexavalent Chromium (Cr (VI))	mg/kg	8	N.D.	N.D.	N.D.	1000			

2) The test results of Hexavalent Chromium (Cr6+) (metal)

Item	11min	MDI		Results	Limit
	Unit	MDL	07	50	Limit
Hexavalent Chromium(Cr(VI))▼	ug/cm ²	0.10	N.D.	N.D.	0 - ,0

3) The test results of Lead(Pb) and Cadmium (Cd)

uO` (a` .	0	MDI	Res	ults	Sinis			
Item	Unit	MDL	07	35	Limit			
Lead (Pb)	mg/kg	2	N.D.	N.D.	1000			

Itam	Unit	MDL		Res	ults		Limit
Item	Unit	MDL	07	14	2 31	33	Limit 100
Cadmium (Cd)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	100





Report No.: IQTS20241396RC101 Page 9 of 29

Note:

- MDL = Method Detection Limit
- /= Not apply
- LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 μg/cm²
- mg/kg = ppm=parts per million
- N.D.=Not Detected(<MDL or LOQ)
- ▼ = a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13ug/cm². The sample coating is considered to contain Cr(VI)
 - b. The sample is negative for Cr(VI) if Cr(VI) is N.D.(concentration less than 0.10ug/cm²). The sample coating is considered a non- Cr(VI) based coating
 - c. The result between $0.10\mu g/cm^2$ and $0.13\mu g/cm^2$ is considered to be inconclusive, unavoidable coating variations may influence the determination
- #1 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted in glass of cathode ray tubes, electronic components and fluorescent tubes.
- #2 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted in electronic ceramic parts (e.g. piezoelectronic devices).
- #3 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight.
- #4 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead).
- #5 According to the statement provided by the customer, according to RoHS directive 2011/65/EU and its amendments, Lead is exempted as an alloying element in Aluminum containing up to 0.4% (4000ppm) by weight.
- #6 According to the statement provided by the customer, according to RoHS directive 2011/65/EU and its amendments, Cadmium and its compounds in electrical contact is exempted.
- #7 According to the statement provided by the customer, according to RoHS directive 2011/65/EU and its Amendments. Lead is exempted in steel for machining purposes and in galvanised steel containing up to 0.35% (3500ppm) by weight.





Report No.: IQTS20241396RC101 Page 10 of 29

4) The test results of DBP BBP DEHP & DIBP

	Cittata	MDI		Results			Limit	
Item	Unit	MDL	01	04	05	06	Limit	
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000	
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000	
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000	
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000	

Item		MDI	0	Res	sults		O I imit	
	Unit	MDL	09	10	11	12	Limit	
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000	
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000	
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000	
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000	

1000	Unit	MDL	10	Res	ults	10	Limit
Item	Unit	MDL	14	15	16	17	O-111111
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000

Man ()	Link	CANDI		Res	ults		(Life.ia
Item S	Unit	MDL	18	20	21	22	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000





Report No.: IQTS20241396RC101 Page 11 of 29

Item	Unit	MDI		Res	ults		Cimit /
Treating to the state of the st	Unit	MDL	23	24	25	26	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000

	Half	SADI.	.0-	Res	ults	(O)	,52.
Item	Unit	MDL	27	28	29	31	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000

3 S S	Unit	MDL	1	Res	ults	12	Limit
Item 6	Unit	S IVIDE	32	33	34	36	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000

Item	O Laste	MDI		Res	ults		1 :10
Item 29	Unit	MDL	37	38	40	41	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000





Report No.: IQTS20241396RC101 Page 12 of 29

14-60	114	MDL		Res	ults		Limit
Item	Unit	IVIDL	43	46	48	51	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000

6 ,6 ,0	Half	SADI.		Res	ults	(O)	, 52
Item	Unit	MDL	52	53	54	55	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000

	9	MDI	100	Res	ults	19	Limit
Item	Unit MDL	MIDL	56	57	58	60	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000

Item	Unit	MDL		Res	ults		Limit
nem S	Unit	MIDL	61	62	63	64	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	1000





Report No.: IQTS20241396RC101 Page 13 of 29

	11	MDI	Results	Vinite (
Item	Unit	MDL	65	Limit
2Dibuyl Phthalate(DBP)	mg/kg	50	N.D. 9	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	1000





Report No.: IQTS20241396RC101 Page 14 of 29

5) The test results of PBBs & PBDEs

	I last	MDI	9	10	Results	10		Limit
Item	Unit	MDL	11	12	14	16	20	Limit
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	7
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	<u></u>
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	10
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	7
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	1	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	.60
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	<i>3</i>
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	.60
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	3 -
Total content	mg/kg	1	N.D.	N.D.	N.D.	N.D.	N.D.	1000



Report No.: IQTS20241396RC101 Page 15 of 29

-6,5		2			9			.6
Item	Unit	MDL			Results			Limit
\mathcal{O}		5	21	22	23	24	25	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	19
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	7
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	,60
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	7
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	1	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	C-
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	70
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	3 -
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	70
Total content	mg/kg	1	N.D.	N.D.	N.D.	N.D.	N.D.	1000





Report No.: IQTS20241396RC101 Page 16 of 29

9 9	- 4	2	9.9.					-6
Item	Unit	MDL	Results					Limit
			26	27	28	29	31	}
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	,60
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	7
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	1	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	C-
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	10
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	3-
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	(
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	70
Total content	mg/kg	1	N.D.	N.D.	N.D.	N.D.	N.D.	1000



Report No.: IQTS20241396RC101 Page 17 of 29

Item	Unit	MDL	Results					7
			43	54	55	63	65	Limit
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	7
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	,60
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	7
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	1	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	3
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	7
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	7
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	10
Total content	mg/kg	1	N.D.	N.D.	N.D.	N.D.	N.D.	1000

Remark:

- mg/kg = ppm
- N.D. = Not detected
- MDL=Method detected limited
- Flow chart appendix is included
- Photo appendix is included.



Page 18 of 29 Report No.: IQTS20241396RC101 **Appendix** 1. Test Flow chart for Cd/Pb /Hg content Acid digestion by suitable Digest sample Weigh sample and put Cutting/ acid depended on different in microwave into a microwave preparation sample material digestion oven digestion vessel (as below table) Analyzed by inductively The digested solution Made up with coupled plasma atomic DATA was transferred into deionized water emission spectrometer a volumetric flask (ICP-AES) 2. Test Flowchart for Cr6+ content (For non-metal material) Adjust the pH of Weigh sample and Add digestion solution and extracted solution to Cutting/ heat in constant temperature put into a 7.5 ± 0.5 and transfer preparation conical flask shaking water baths into a volumetric flask Made up with Adjust the pH to 2.0 ± Analyzed by UV-vis deionized water; add 0.5 and make up with DATA (540nm) Diphenylcarbazide deionized water solution Test Flowchart for Cr6+ content (For metal material) Extracted with Filter and remove Take a portion of the boiling water the sample sample Adjust the pH value Analyzed by UV-Vis Add test solution of the solution



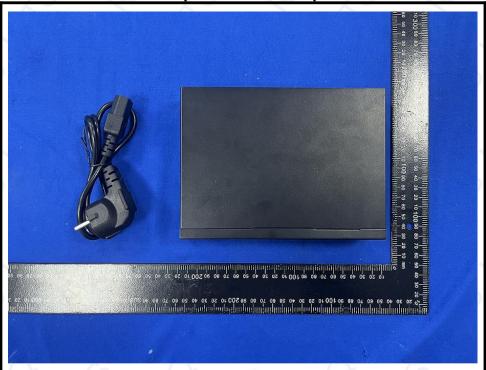


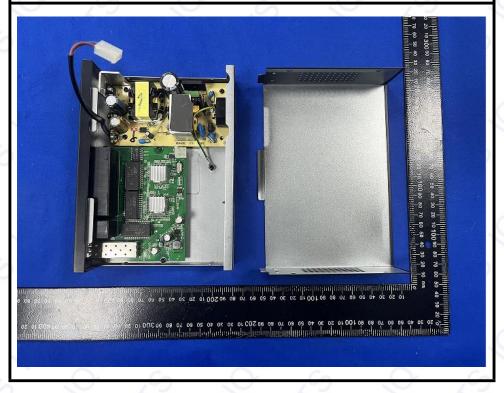
Page 19 of 29 Report No.: IQTS20241396RC101 3. Test Flow chart for PBBs & PBDEs & DBP & BBP & DEHP & DIBP content Add organic solvent and Cutting/ Weigh sample and Concentrated/ extracted by Soxhlet method place in a thimble dilute extracted solution preparation /ultrasonic method Cool, cleanup solution Make up with organic Concentrated extracted Data Analyzed by GC-MS solvent solution



Page 20 of 29 Report No.: IQTS20241396RC101

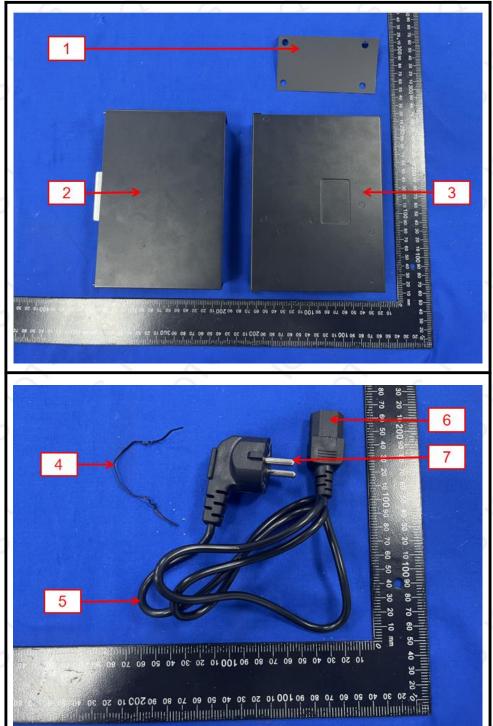
The photo of the sample







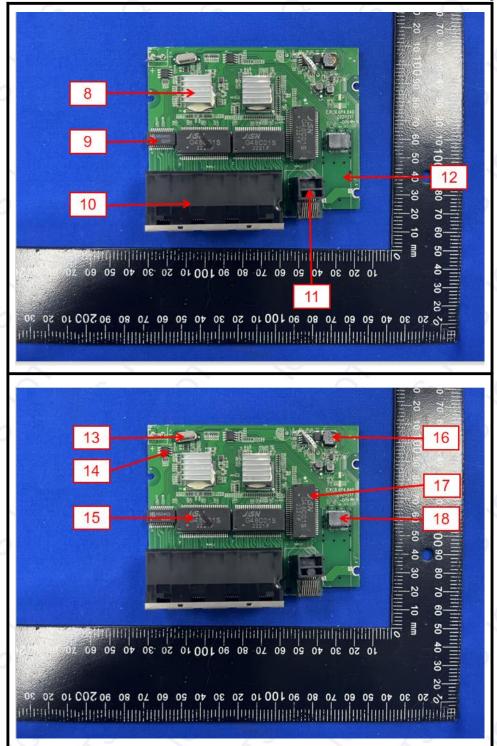
Report No.: IQTS20241396RC101 Page 21 of 29







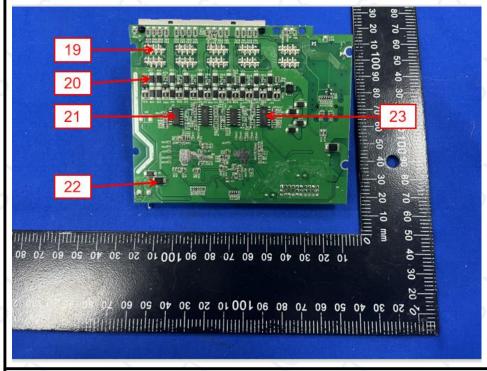
Report No.: IQTS20241396RC101 Page 22 of 29

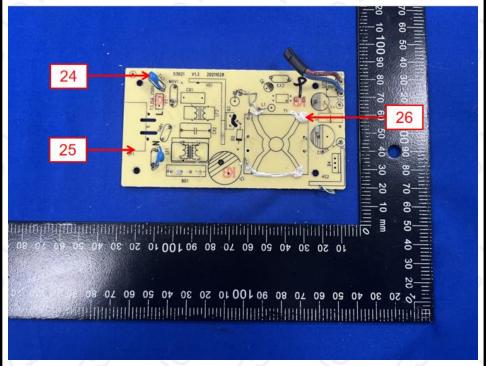






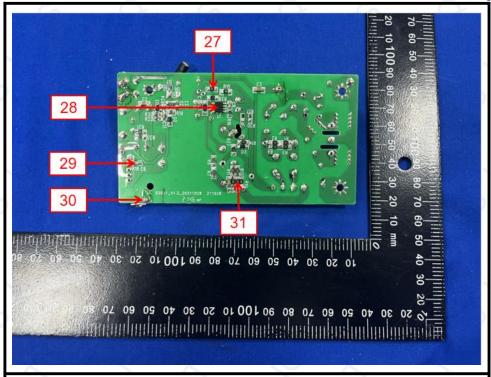
Report No.: IQTS20241396RC101 Page 23 of 29

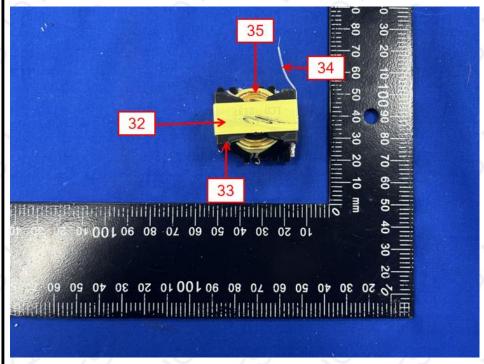






Report No.: IQTS20241396RC101 Page 24 of 29

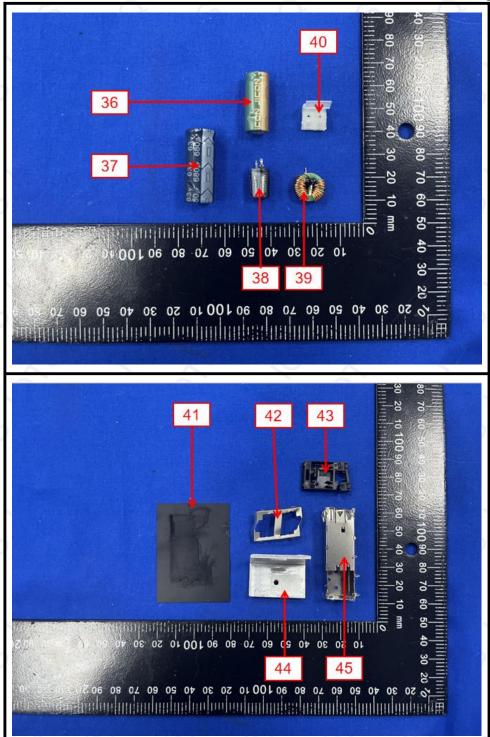








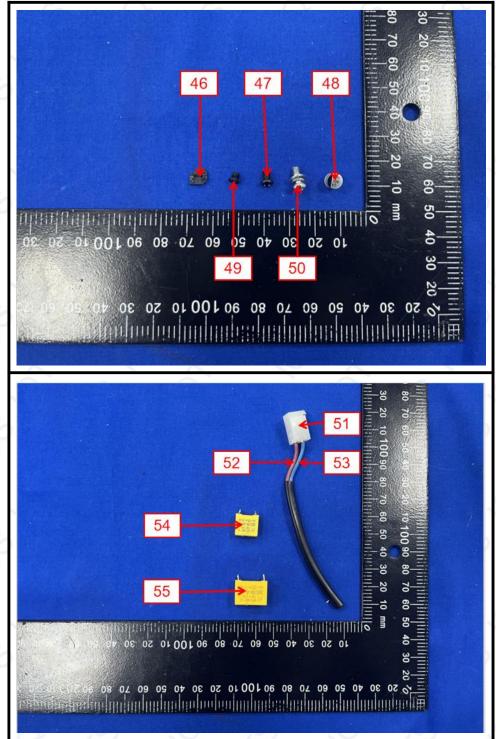
Report No.: IQTS20241396RC101 Page 25 of 29





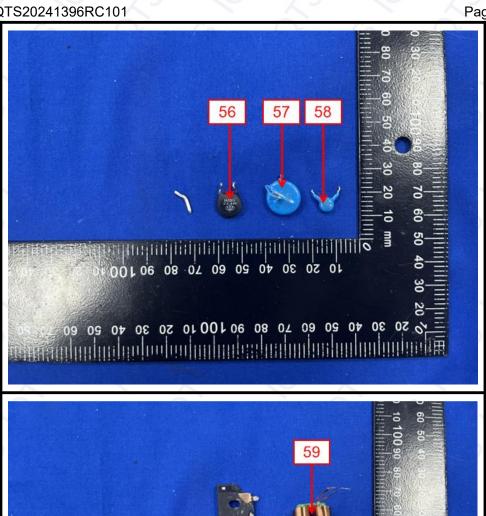


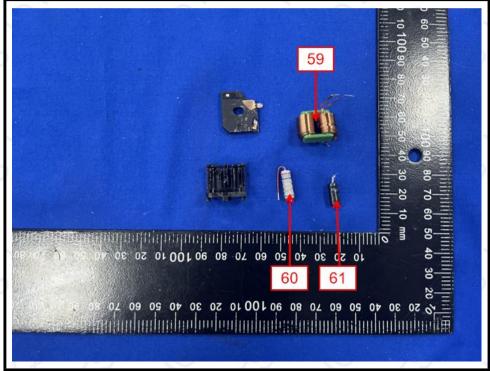
Report No.: IQTS20241396RC101 Page 26 of 29





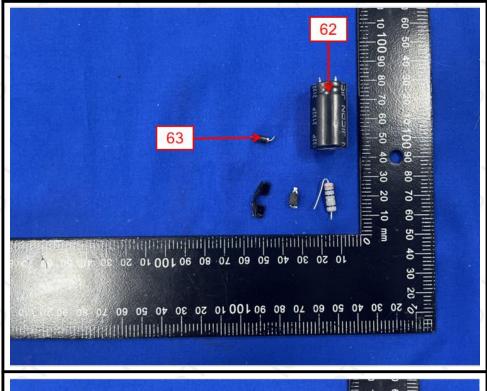
Page 27 of 29 Report No.: IQTS20241396RC101

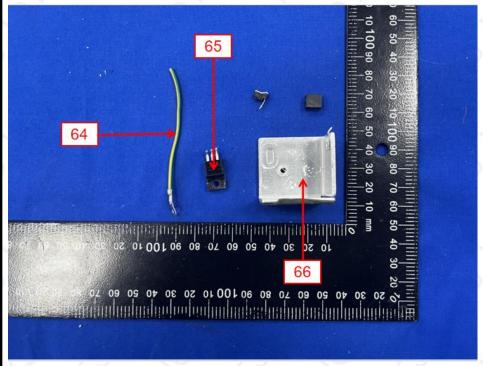






Report No.: IQTS20241396RC101 Page 28 of 29





****** End of Report *********





Report No.: IQTS20241396RC101 Page 29 of 29

Statement:

- 1. The test report is considered invalidated without approval signature, special seal on the perforation.
- 2. The result(s) shown in this report refer only to the sample(s) tested.
- 3. Without written approval of IQTS, this report can't be reproduced except in full.
- 4. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which IQTS hasn't verified.
- 5. In case of any discrepancy between the English version and Chinese version of the testing reports(if generated), the Chinese version shall prevail.