

Test Report

No.: EG190610101C01MVer.2

Date: Jun. 27, 2019

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Applicant : Suzhou Radiant Lighting Technology Co.,Ltd.
Address : Jiatai Road West, Shuanglong Industrial Park,Fenghuang Town, Zhangjiagang City, Jiangsu ,China

Sample Name : LED Downlight

Quantity : 1pc

Model : 5RS128

Lot No. : /

Supplier : /

Received Date : Jun. 10, 2019

Testing Period : Jun. 10, 2019~Jun. 27, 2019

Test Summary

No.	Test Item	Test Conclusion
1	Directive 2011/65/EU (RoHS) and commission delegated Directive (EU)2015/863、 (EU) 2017/2102	Pass

Remark: Pass: meet the requirement; Fail: Doesn't meet the requirement; N/A: Without conclusions or provide test results only.

Signed for and on behalf of
EMTEK (SUZHOU) CO., LTD

Prepared by: Eva
Meng Yulu, Eva
Assistant Engineer

Reviewed by: Jason
Jiang Yufeng, Jason
Technical supervisor

Approved by: Mickey
Yuan Qi, Mickey
Authorized signatory
Jun. 27, 2019

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Sample Description

Sample No.	Sample Number
01	EG19061010101

Summary of Test Results

1.1 Test Method: IEC 62321-3-1:2013, IEC 62321-5:2013, IEC 62321-4:2013+AMD1:2017, IEC 62321-7-2:2017, IEC 62321-7-1:2015, IEC 62321-6:2015

1.2 Test Instrument

Instrument Name	Manufacturer	Instrument Model
XRF	SHIMADZU	EDX-LE
ICP-OES	Agilent	720
UV-Vis	SHIMADZU	UV-2600
GC-MS	Agilent	7890B-5977A

1.3 Test Result

Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
1	Locks	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
Polybrominated diphenyl ethers (PBDEs)②	≤ 1000	—				
2	Top cover	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	267	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
3	Shell	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	237	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
4	Label	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
5	Metal brackets	—	—	—	—	—
5.1	Coating	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
5.2	Base material	Lead(Pb)	≤ 1000	150	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	X	N.D.	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
6	Plastic face ring	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	X	N.D.	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		N.D.	
7	Circlip	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
8	Lampshade	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
9	Clear washer	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
10	Pathfinder	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	

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		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
11	O-ring	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	34	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
12	Magnet	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
13	Terminal	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	

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14	Terminal	—	—	—	—	—
14.1	Shrapnel	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	X	N.D.	
		Polybrominated biphenyls (PBBs)②	≤1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
14.2	Stent	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
14.3	Contact	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
15	Insulated	Lead(Pb)	≤1000	N.D.	—	Pass

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	paper	Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
16	Radiator	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	89	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
17	Screw	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
18	Screw	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	

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		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19	Switching components	—	—	—	—	—
19.1	Switch button	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	X	N.D.	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		N.D.	
19.2	Stent	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19.3	Spring chip	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	

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		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19.4	Check	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19.5	Baseboard	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	61	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19.6	Polaroid	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	

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		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19.7	Switch button	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19.8	PCB substrate	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	X	N.D.	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		N.D.	
19.9	Tin solder	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	

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		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19.10	Patch diode	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	56	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19.11	Red wire jacket	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	70	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
19.12	White wire jacket	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	55	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
19.13	Yellow wire jacket	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
19.14	Line core	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
20	PCB board assembly	—	—	—	—	—
20.1	Patch resistor	Lead(Pb)	≤1000	607	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	X	N.D.	
		Polybrominated biphenyls (PBBs)②	≤1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
20.2	Tablet LED	Lead(Pb)	≤1000	N.D.	—	Pass

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	beads 1	Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
20.3	Tablet LED beads 2	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
20.4	Tin solder	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤1000		—	
20.5	Baseboard	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21	PCB Board component 2	—	—	—	—	—
21.1	Electrolytic capacitor C7	—	—	—	—	—
21.1.1	Electrolytic capacitor thermal film	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.1.2	Aluminum shell	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.1.3	Rubber	Lead(Pb)	≤ 1000	N.D.	—	Pass

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	plugs	Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI)) ^①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs) ^②	≤1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs) ^②	≤1000		—	
21.1.4	Electrolytic paper	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI)) ^①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs) ^②	≤1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs) ^②	≤1000		—	
21.1.5	Aluminum foil 1	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	
		Hexavalent chromium (Cr(VI)) ^①	≤1000	N.D.	—	
		Polybrominated biphenyls (PBBs) ^②	≤1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs) ^②	≤1000		—	
21.1.6	Aluminum foil 2	Lead(Pb)	≤1000	N.D.	—	Pass
		Cadmium(Cd)	≤100	N.D.	—	
		Mercury(Hg)	≤1000	N.D.	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.1.7	Polaroid	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	92	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.2	Transformer T1	—	—	—	—	—
21.2.1	Adhesive tape	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.2.2	Magnetic ring	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.2.3	Coil	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.2.4	Skeleton	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.3	Tan capacitor C2	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.4	Color ring resistor	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	X	N.D.	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.5	Diode	Lead(Pb)	≤ 1000	527	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.6	Heat shrinkable film	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	67	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.7	Inductance	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.8	Heat shrinkable tube	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.9	Ceramic capacitor	Lead(Pb)	≤ 1000	79	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
21.10	ICU1	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.11	Tablet diode D2	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.12	Two-way diode D1	Lead(Pb)	≤ 1000	133	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.13	Patch resistor R14	Lead(Pb)	≤ 1000	OL*	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	

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		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	X	N.D.	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.14	Patch resistor R6	Lead(Pb)	≤ 1000	OL*	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	107	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.15	Patch capacitor C6	Lead(Pb)	≤ 1000	308	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.16	Tablet capacitor C4	Lead(Pb)	≤ 1000	357	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	

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		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.17	Patch capacitor C0	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.18	Tin solder	Lead(Pb)	≤ 1000	242	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.19	Brown wire jacket	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	

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		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.20	Blue wire jacket	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.21	Line core	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
21.22	PCB substrate	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	X	N.D.	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		N.D.	
22	Metal face ring	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	270	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
23	Silver face ring	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	X	N.D.	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
24	Yellow face ring	—	—	—	—	—
24.1	Coating	Lead(Pb)	≤ 1000	N.D.	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
24.2	Base material	Lead(Pb)	≤ 1000	183	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
25	Black face ring	—	—	—	—	—
25.1	Coating	Lead(Pb)	≤ 1000	100	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	432	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
25.2	Base material	Lead(Pb)	≤ 1000	173	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	

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Sample No.	Sample Description	Test Items	Standard requirement (mg/kg)	XRF Result (mg/kg)	Chemical Test Results(mg/kg)	conclusion
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
26	White face ring	—	—	—	—	—
26.1	Coating	Lead(Pb)	≤ 1000	85	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.D.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	
26.2	Base material	Lead(Pb)	≤ 1000	120	—	Pass
		Cadmium(Cd)	≤ 100	N.D.	—	
		Mercury(Hg)	≤ 1000	N.D.	—	
		Hexavalent chromium (Cr(VI))①	≤ 1000	N.D.	—	
		Polybrominated biphenyls (PBBs)②	≤ 1000	N.A.	—	
		Polybrominated diphenyl ethers (PBDEs)②	≤ 1000		—	

Note

(1) a: Results are obtained by XRF for primary screening, and further wet chemical testing by ICP-OES / AAS (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if an inconclusive result was found (as "X" in below taN.D.e)(unit: mg/kg).

①Negative means that it does not contain hexavalent chromium, that is, the content of hexavalent chromium i in the solution extracted from the samples with the surface area of 50cm².The content of hexavalent chromium in the plating is less than 0.02mg/L.

XRF result is the total chromium , Restricted substances is hexavalent chromium (Cr(VI)).

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②XRF result is the total bromine, Restricted substances are Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs).

b: OL = Over Limit, N.D. = Below Limit, X = Inconclusive, N.A.= Not Applicable

c: The XRF screening test for the elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

Element	Polymer	Metal	Composite Materials
Cd	N.D. $\leq(70-3\sigma)< X$ $<(130+3\sigma)\leq OL$	N.D. $\leq(70-3)< X$ $<(130+3\sigma)\leq OL$	LOD $< X$ $<(150+3\sigma)\leq OL$
Pb	N.D. $\leq(700-3\sigma)< X$ $<(1300+3\sigma)\leq OL$	N.D. $\leq(700-3\sigma)< X$ $<(1300+3\sigma)\leq OL$	N.D. $\leq(500-3\sigma)< X$ $<(1500+3\sigma)\leq OL$
Hg	N.D. $\leq(700-3\sigma)< X$ $<(1300+3\sigma)\leq OL$	N.D. $\leq(700-3\sigma)< X$ $<(1300+3\sigma)\leq OL$	N.D. $\leq(500-3\sigma)< X$ $<(1500+3\sigma)\leq OL$
Br	N.D. $\leq (300-3\sigma)< X$	N.A.	N.D. $\leq (250-3\sigma)< X$
Cr	N.D. $\leq (700-3\sigma)< X$	N.D. $\leq (700-3\sigma)< X$	N.D. $\leq (500-3\sigma)< X$

(2) a: N.D. = Not Detected (Less than Detection limit).

b: Unit, Detection limit and limit in wet chemical test.

Test items	Pb	Cd	Hg	Cr ⁶⁺	PBBs	PBDEs
Unit	mg/kg	mg/kg	mg/kg	mg/kg(Non-metal) $\mu\text{g}/\text{cm}^2$ (Metal and Plating)	mg/kg	mg/kg
Detection limit	2	2	2	8 (Non-metal) 0.10 (Metal and Plating)	5	5
Limit	1000	100	1000	1000	1000	1000

c: Because it is difficult to measure the weight of the anticorrosion in plating accurately, the content of hexavalent chromium in plating shows in its quality of unit area.

Unit: $\mu\text{g}/\text{cm}^2$. Because the storage conditions and production date of the test samples are unknown, the test results of Cr(VI) are only represent its state during test period.

c-1. When Sample Cr(VI) concentration is Less than 0,10 $\mu\text{g}/\text{cm}^2$, The sample is negative for Cr(VI), The sample not contain Cr(VI) , The test result is Pass.

c-2. When Sample Cr(VI) concentration Between 0,10 $\mu\text{g}/\text{cm}^2$ and 0,13 $\mu\text{g}/\text{cm}^2$, The result need to reconfirm. The test result is not judge.

c-3. When Sample Cr(VI) concentration greater than 0,13 $\mu\text{g}/\text{cm}^2$, The sample is positive for Cr(VI), The sample contain Cr(VI) , The test result is Fail.

(3)Exemption clause: (Directive 2011/65/EU (RoHS) and commission delegated Directive (EU)2015/863、(EU) 2017/2102)

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* : 7(c)-1 Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, or in a glass or ceramic matrix compound.

4) The result of sample 21.19, 21.20 were copied from the result of case number EG190624001C

2. DIBP, DBP, BBP, DEHP (DOP)

2.1 Test Method

Test Item	Test Method
DIBP, DBP, BBP, DEHP (DOP)	IEC 62321-8:2017

2.2 Test Instrument

Instrument Name	Manufacture	Instrument Model
GC-MS	SHIMADZU	QP2010 Ultra

2.3 Test Results: Limit according to Directive 2011/65/EU (RoHS) and commission delegated Directive (EU)2015/863、(EU) 2017/2102

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		1	2	3	4		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	N.D.	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		5.1	6	8	9		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	N.D.	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

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Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		10	11	13	15		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	N.D.	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		19.1	19.5	19.7	19.8		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	N.D.	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		19.10	19.11	19.12	19.13		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	91	106	301	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		20.1	20.2	20.3	20.5		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000

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Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	N.D.	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		21.1.1	21.1.3	21.1.4	21.2		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	N.D.	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		21.2.1	21.2.2	21.2.4	21.3		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	N.D.	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		21.4	21.5	21.6	21.7		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	47	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

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Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		21.8	21.9	21.10	21.11		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	105	N.D.	N.D.	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		21.12	21.13	21.14	21.15		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	N.D.	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		21.16	21.17	21.19	21.20		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000
Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	N.D.	162	148	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		21.22	25.1	26.1	24.1		
Diisobutyl phthalate(DIBP)	84-69-5	N.D.	N.D.	N.D.	N.D.	30	1000
Di-n-butyl phthalate(DBP)	84-74-2	N.D.	N.D.	N.D.	N.D.	30	1000
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	N.D.	N.D.	N.D.	30	1000

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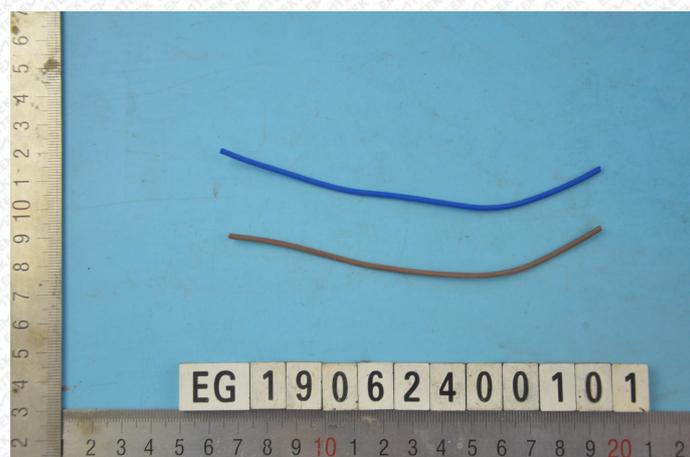
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Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	379	108	N.D.	30	1000
Conclusion	--	Pass	Pass	Pass	Pass	--	--

Note

- 1) N.D. = Not Detected (Less than Detection Limit).
- 2) MDL= Method Detection Limit.
- 3) The result of sample 21.19, 21.20 were copied from the result of case number EG190624001C

Product Photos



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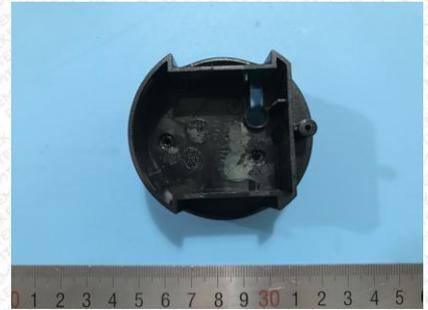
Sample Photos



1



2



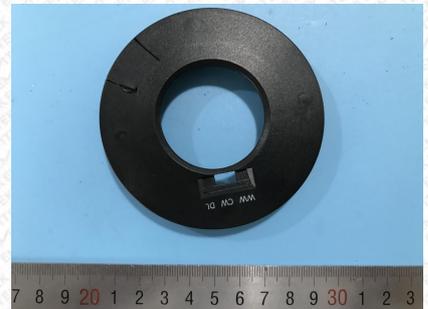
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4



5



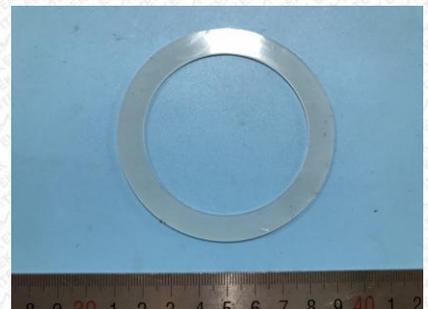
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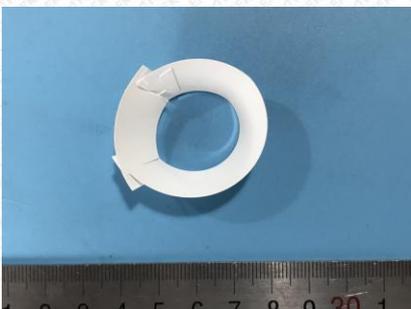
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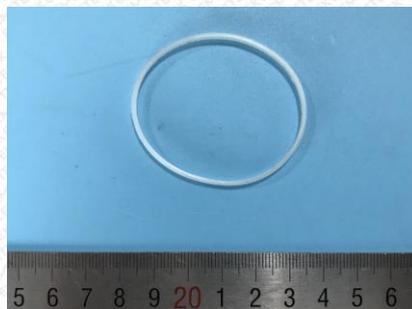
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9



10



11



12

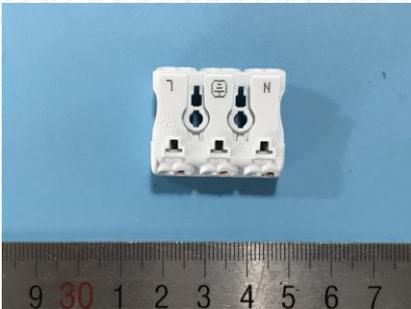
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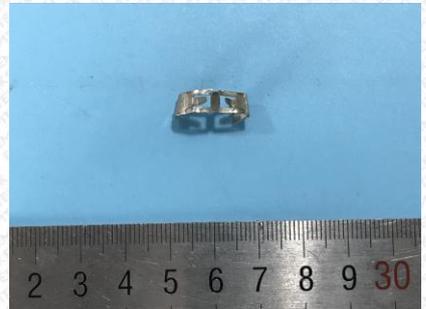
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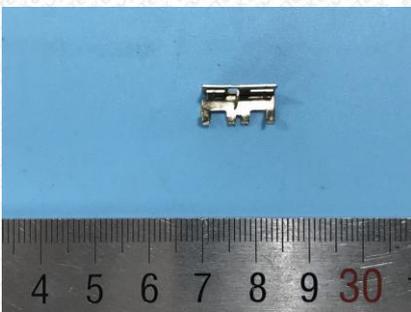
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14



14.1



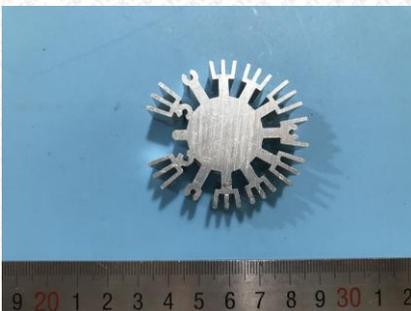
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14.3



15



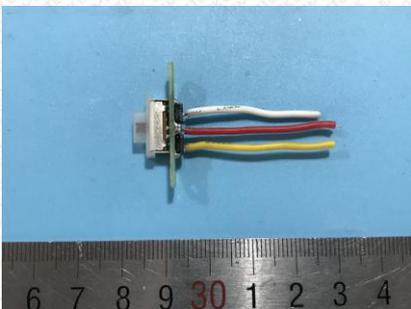
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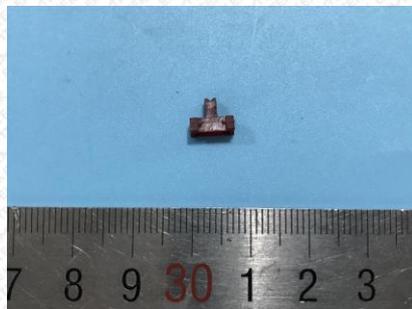
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18



19



19.1



19.2

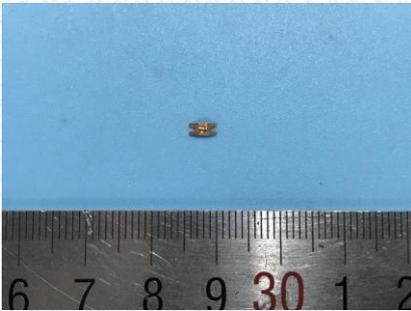
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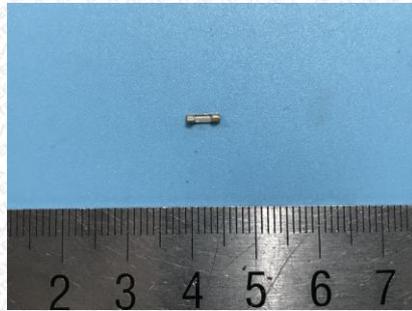
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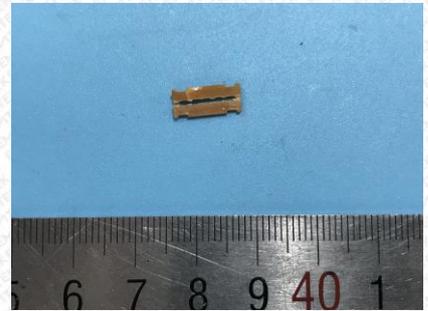
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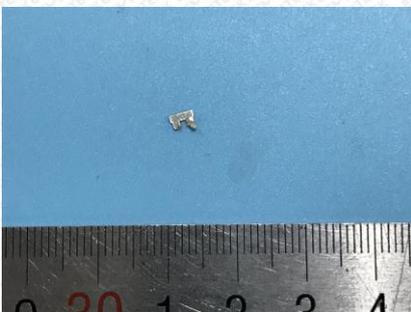
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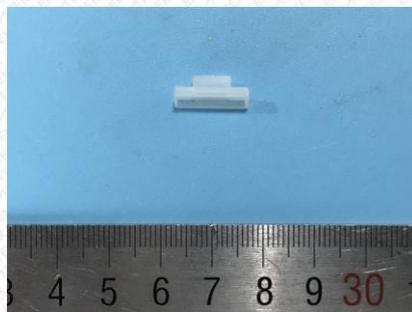
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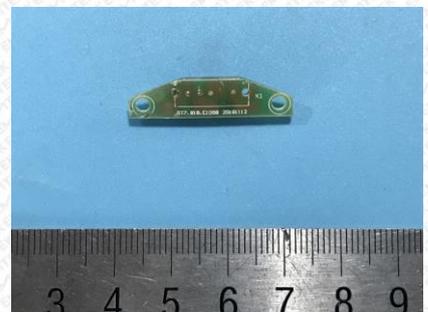
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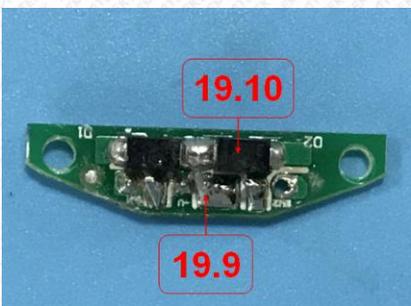
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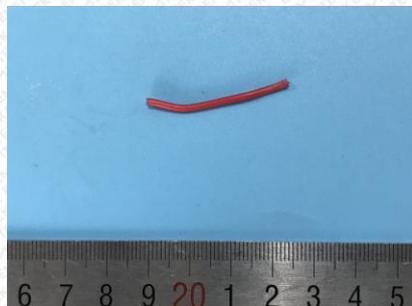
19.7



19.8



19.9, 19.10



19.11



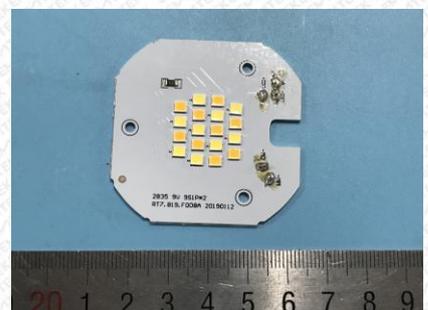
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19.13



19.14



20

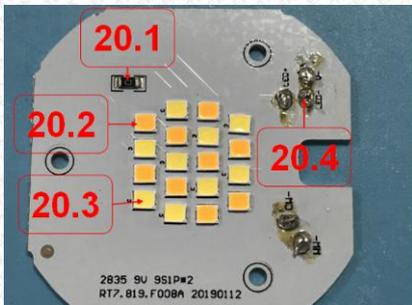
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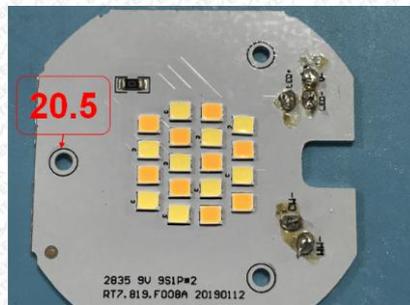
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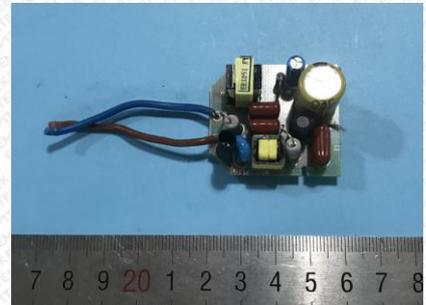
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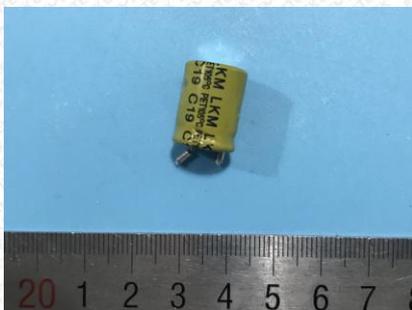
20.1~20.4



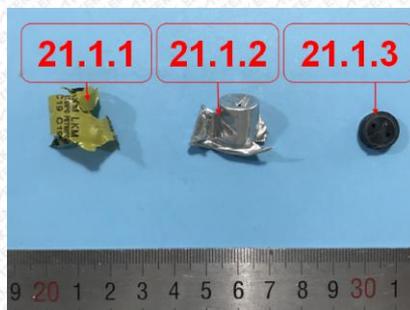
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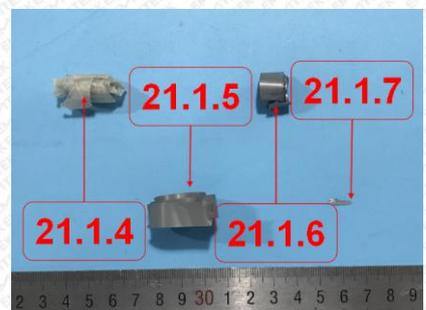
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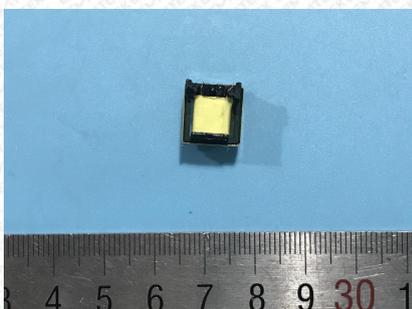
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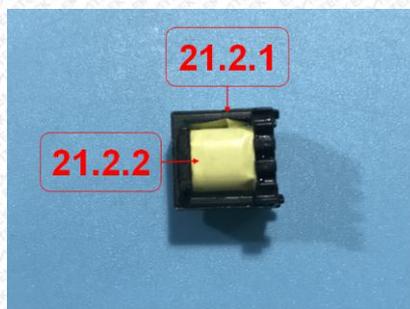
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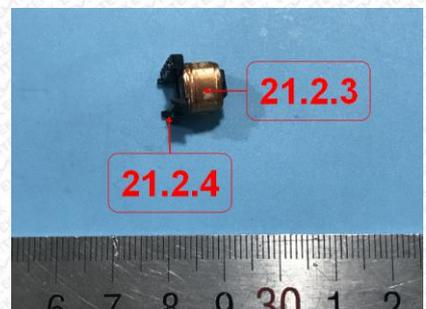
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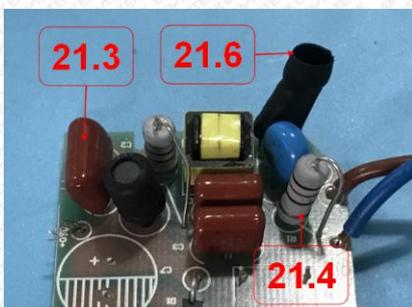
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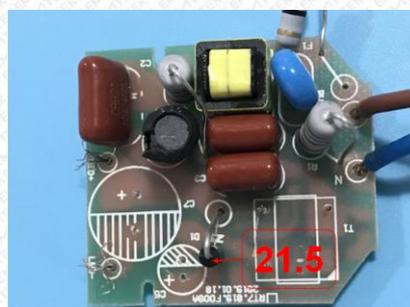
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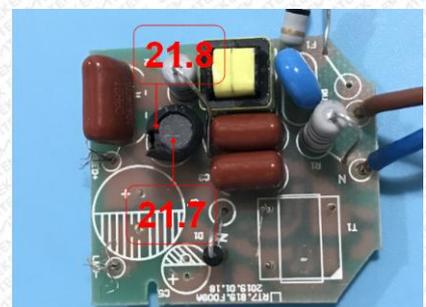
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21.3, 21.4, 21.6



21.5



21.7, 21.8

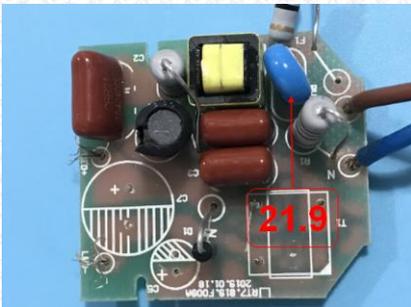
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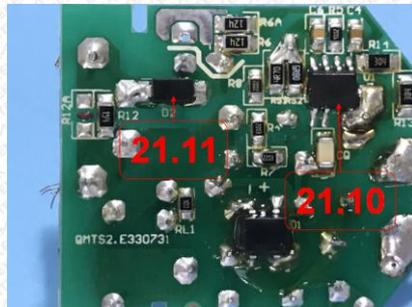
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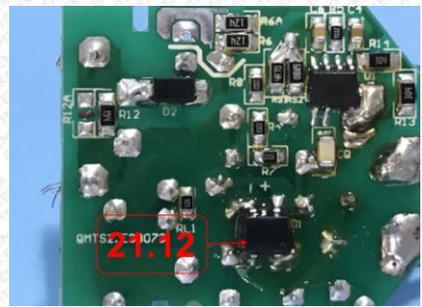
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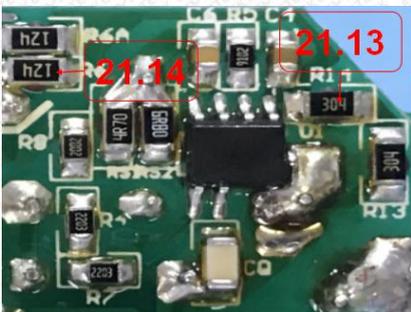
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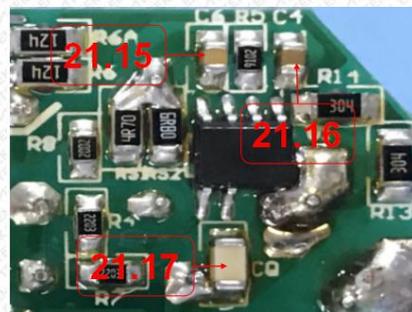
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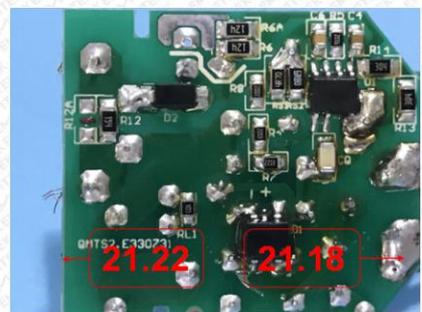
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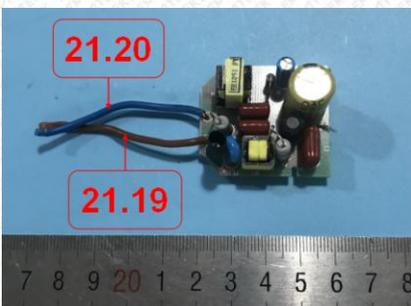
21.13, 21.14



21.15~21.17



21.18, 21.22



21.19, 21.20



21.21



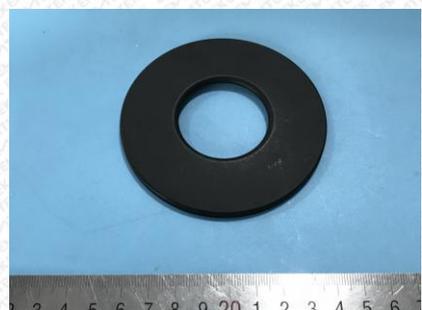
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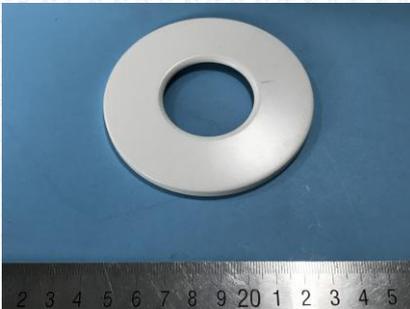
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Declaration: Report EG190610101C01MVer.1 was repealed and replaced by report EG190610101C01MVer.2

Statement 声明

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