



Report No.: RTS250625H2875SLBG2

Date : 2025-07-10

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TEST REPORT

Test information

Applicant	:	Hangzhou Decor Star Import & Export Co.,LTD.
Address	:	Room 921, 2thBuilding,Xixi chenye, ,Xihu District, Hangzhou 310030, China
Sample Description	:	Led light
Item No.	:	5428564,5428566,5428567,5428568,5428569
Country of origin	:	China
Receiving Date	:	June 25, 2025
Test period	:	June 25, 2025~July 03, 2025
Amended date	:	July 10, 2025
Test Requested	:	Tests requested in accordance to client requirement

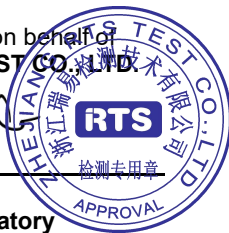
<u>TEST ITEMS</u>	<u>CONCLUSIONS</u>
The results of Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs & PBDEs, Phthalates (DBP/BBP/DEHP/ DIBP) comply with the limits as set by RoHS 2.0 Directive (EU) 2015/863 Amending Annex II to Directive 2011/65/EU	PASS
Regulation (EU) 2023/1542 of the European Parliament and of the Council of 12 July 2023 concerning batteries and waste batteries - Heavy Metals in Batteries	PASS

-This report replaces the original report: RTS250625H2875SLBG1, The original report was voided.

Signed for and on behalf of
Zhejiang RTS TEST CO.,LTD.

BINBIN ZOU

Approved signatory



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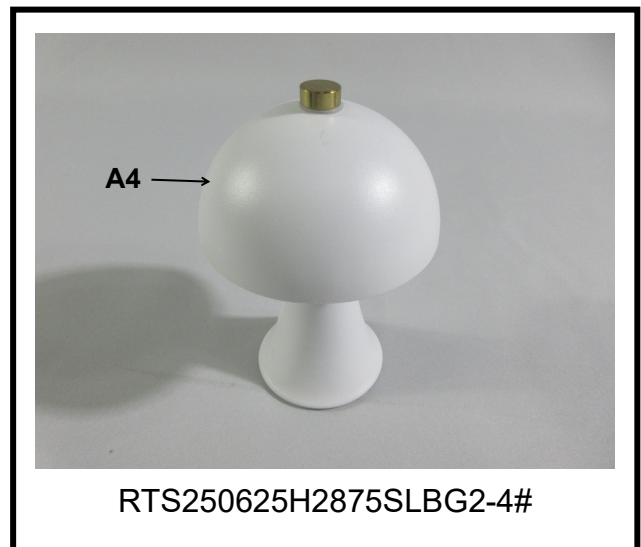
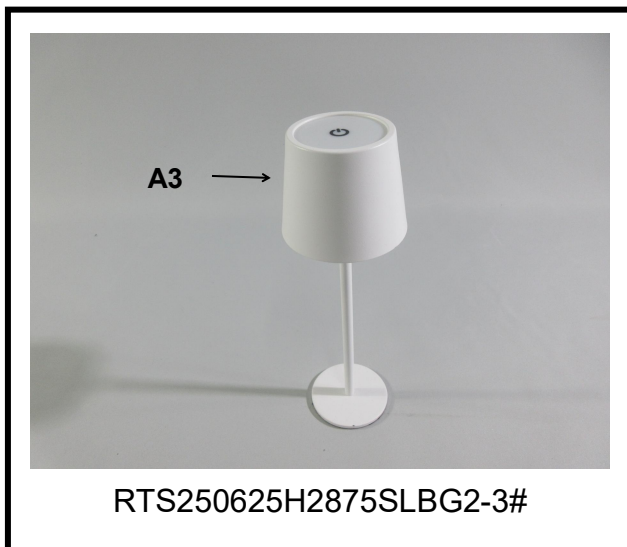
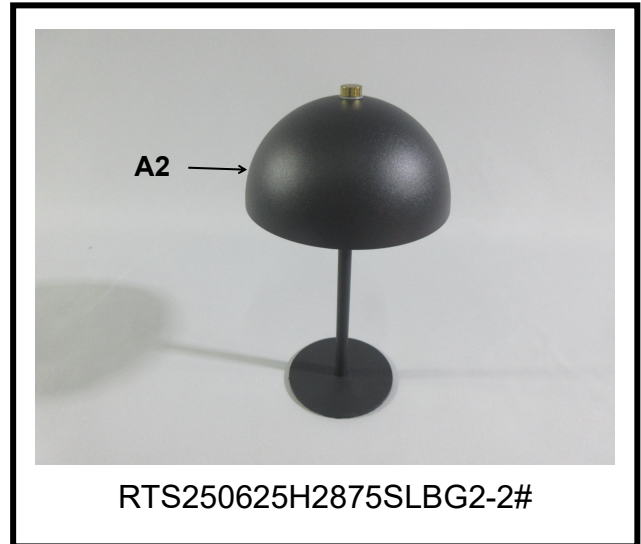
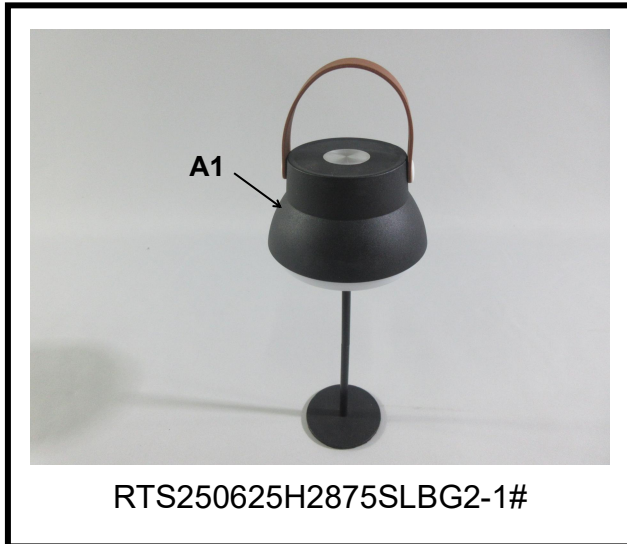
浙江省金华市义乌市后宅街道通泰路140号联东U谷1栋4楼401

401, Floor 4, Building 1, LIANDO U VALLEY, No. 140

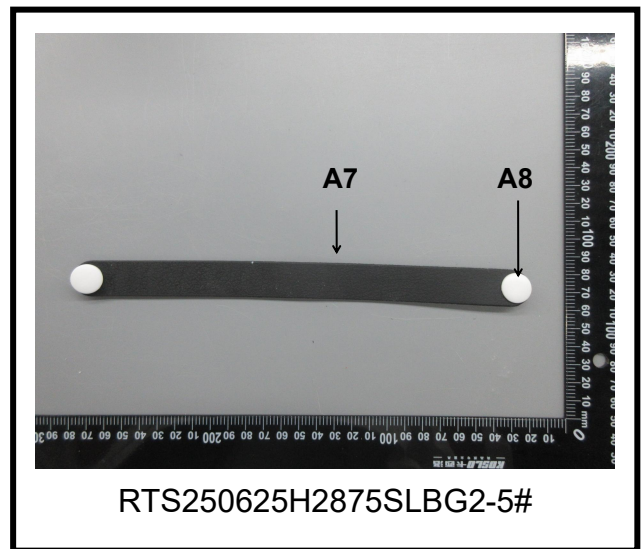
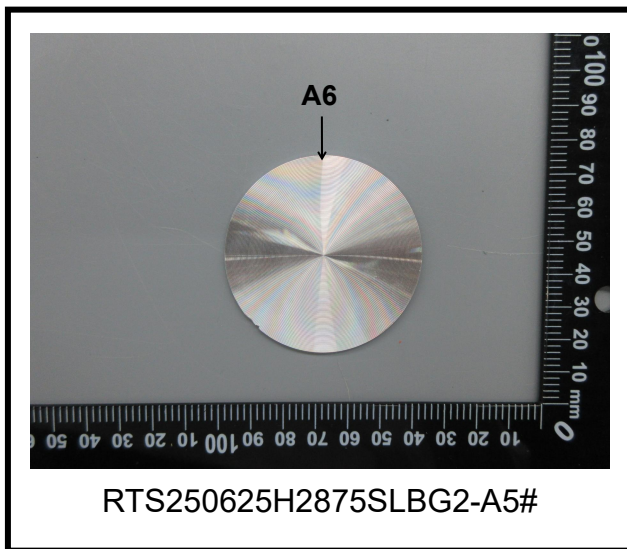
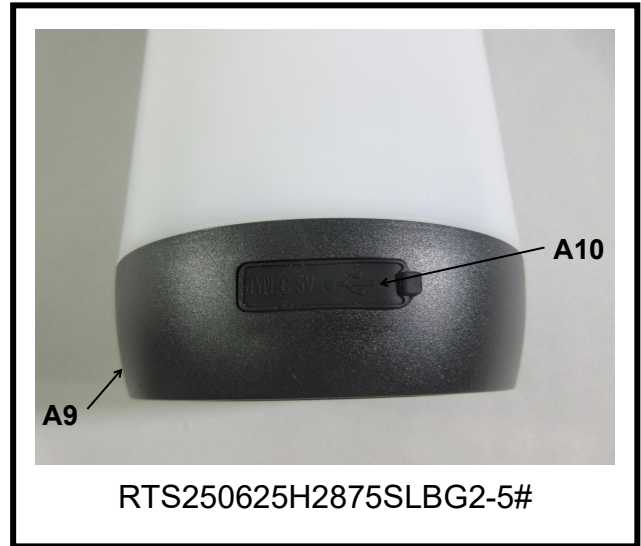
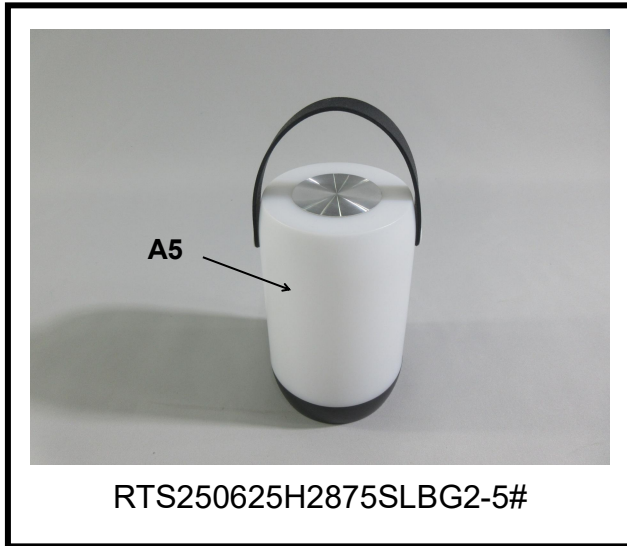
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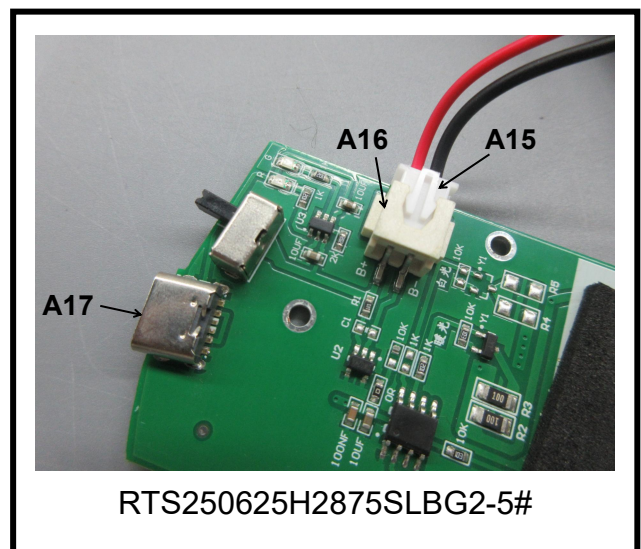
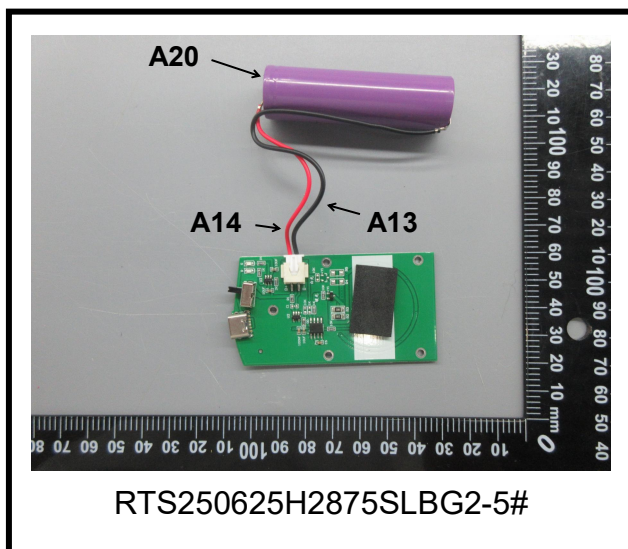
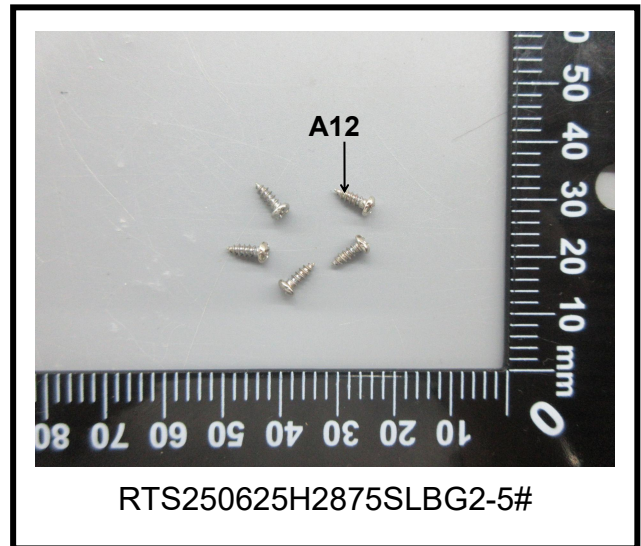
Sample image:



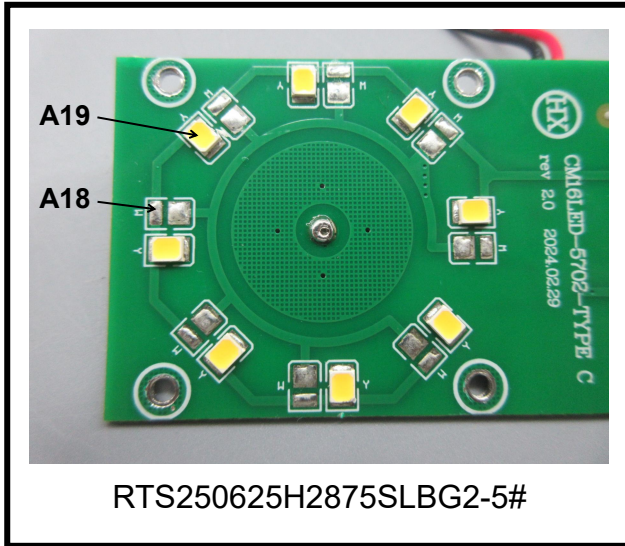
Sample image:



Sample image:



Sample image:





Test Number	Item/ component description(s)
A1	1# white plastic lampshade with black coating
A2	2# metal lampshade substrate
A3	3# metal lampshade substrate
A4	4# metal lampshade substrate
A5	5# white plastic lampshade
A6	5# silvery round metal accessory (top)
A7	5# black PU (handle)
A8	5# white plastic buckle
A9	5# black plastic pedestal
A10	5# black plastic shell
A11	5# inner green plastic PCB
A12	5# silvery metal screw
A13	5# black plastic wire coat
A14	5# red plastic wire coat
A15	5# white plastic accessory
A16	5# beige plastic accessory
A17	5# silvery metal USB
A18	5# silvery metal solder
A19	5# yellow plastic LED
A20	5# battery
A21	White plastic wire coat
A22	Silvery square metal USB

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Images presented by the customer:

**Test result:****A1. RoHS 2.0 Directive (EU) 2015/863 Amending Annex II to Directive 2011/65/EU - XRF Test Result of ED-XRF Spectroscopy Screening Method: (Unit: mg/kg)**

Part No.	Lead(Pb)	Cadmium(Cd)	Mercury(Hg)	Chromium (Cr)	Bromine (Br)
A1 ▲	BL	BL	BL	BL	BL
A2	BL	BL	BL	BL	--
A3	BL	BL	BL	BL	--
A4	BL	BL	BL	BL	--
A5	BL	BL	BL	BL	BL
A6	BL	BL	BL	BL	--
A7	BL	BL	BL	BL	BL
A8	BL	BL	BL	BL	BL
A9	BL	BL	BL	BL	BL
A10	BL	BL	BL	BL	BL
A11	BL	BL	BL	BL	BL
A12	BL	BL	BL	BL	--
A13	BL	BL	BL	BL	BL
A14	BL	BL	BL	BL	BL
A15	BL	BL	BL	BL	BL
A16	BL	BL	BL	BL	BL
A17	BL	BL	BL	BL	--
A18	BL	BL	BL	BL	--
A19	BL	BL	BL	BL	BL
A21	BL	BL	BL	BL	BL
A22	BL	BL	BL	BL	BL

Remark: Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Pb, Cd, Hg), UV-Vis (for Cr(VI)), GC-MS for (Br) are recommended to be performed if the result is IN or OL.

Test method:

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

With reference to IEC 62321-4:2013+A1:2017, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES).

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

With reference to IEC 62321-6:2015, analysis was performed by GC-MS.

With reference to IEC 62321-7-1:2015 and IEC 62321-7-2:2017, by boiling-water-extraction and analysis was performed by UV-visible spectrophotometer (UV-Vis).

With reference to IEC 62321-8:2017, was analyzed by Gas Chromatograph-Mass Spectrometer (GC-MS).

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Note: (1) 1mg/kg = 1ppm = 0.0001%.

(2) -- = Not Regulated.

(3) ▲ = sample was tested in mixture.

(4) **BL** = Below limit, **OL** = Over limit, **IN** = Inconclusive, **EX** = Exemption, **LOD** = Limit of Detection, **N/A**=not Applicable

(5) The XRF screening test for RoHS elements-The reading may be different to the actual content in the sample be of non-uniformity composition.

Element	Polymers	Metals	Composite Material
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	N/A	$BL \leq (250-3\sigma) < X$

**A2. RoHS 2.0 Directive (EU) 2015/863 Amending Annex II to Directive 2011/65/EU: (Unit: mg/kg)**

Test Item(s)	MDL	Result(s)				Limit
		A5	A7	A8	A9	
Polybrominated Biphenyls(PBBs)						
Monobromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Dibromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Tribromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Pentabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Hexabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Heptabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Octabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Nonabromodiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Decabromodiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Total content :	/	N.D.	N.D.	N.D.	N.D.	1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)						
Monobromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Dibromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Tribromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Tetrabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Pentabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Hexabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Heptabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Octabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Nonabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Decabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Total content:	/	N.D.	N.D.	N.D.	N.D.	1000

Note:

1) N.D. = Not Detected or less than MDL.

2) MDL = Method Detection Limit.

3) "▲" = This data is obtained from composite testing on more than one materials or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes is substantially higher. Please be cautious when using this data for compliance evaluation.

Test method:**Polybrominated Biphenyls (PBBs)/ Polybrominated Diphenylethers(PBDEs)content:**

With reference to IEC 62321-6:2015, analysis was performed by GC-MS.

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A2. RoHS 2.0 Directive (EU) 2015/863 Amending Annex II to Directive 2011/65/EU: (Unit: mg/kg)

Test Item(s)	MDL	Result(s)				Limit
		A10	A11	A13	A14	
Polybrominated Biphenyls(PBBs)						
Monobromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Dibromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Tribromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Pentabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Hexabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Heptabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Octabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Nonabromodiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Decabromodiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Total content :	/	N.D.	N.D.	N.D.	N.D.	1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)						
Monobromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Dibromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Tribromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Tetrabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Pentabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Hexabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Heptabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Octabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Nonabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Decabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Total content:	/	N.D.	N.D.	N.D.	N.D.	1000

Note:

1) N.D. = Not Detected or less than MDL.

2) MDL = Method Detection Limit.

3) "▲" = This data is obtained from composite testing on more than one materials or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes is substantially higher. Please be cautious when using this data for compliance evaluation.

Test method:

Polybrominated Biphenyls (PBBs)/ Polybrominated Diphenylethers(PBDEs)content:

With reference to IEC 62321-6:2015, analysis was performed by GC-MS.

A2. RoHS 2.0 Directive (EU) 2015/863 Amending Annex II to Directive 2011/65/EU: (Unit: mg/kg)

Test Item(s)	MDL	Result(s)				Limit
		A15	A16	A19	A21	
Polybrominated Biphenyls(PBBs)						
Monobromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Dibromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Tribromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Pentabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Hexabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Heptabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Octabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Nonabromodiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Decabromodiphenyl	5	N.D.	N.D.	N.D.	N.D.	/
Total content :	/	N.D.	N.D.	N.D.	N.D.	1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)						
Monobromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Dibromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Tribromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Tetrabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Pentabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Hexabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Heptabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Octabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Nonabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Decabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	/
Total content:	/	N.D.	N.D.	N.D.	N.D.	1000

Note:

1) N.D. = Not Detected or less than MDL.

2) MDL = Method Detection Limit.

3) "▲" = This data is obtained from composite testing on more than one materials or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes is substantially higher. Please be cautious when using this data for compliance evaluation.

Test method:

Polybrominated Biphenyls (PBBs)/ Polybrominated Diphenylethers(PBDEs)content:

With reference to IEC 62321-6:2015, analysis was performed by GC-MS.

**A3. RoHS 2.0 Directive (EU) 2015/863 Amending Annex II to Directive 2011/65/EU:** (Unit: mg/kg)

Test Item(s)	MDL	Result(s) A5	Limit
Dibutyl Phthalate(DBP)(Cas No.: 84-74-2)	50	N.D.	1000
Benzylbutyl Phthalate(BBP) (Cas No.:85-68-7)	50	N.D.	1000
Bis-(2-ethylhexyl) Phthalate(DEHP) (Cas No.:117-81-7)	50	N.D.	1000
Di-iso-butyl ortho-phthalate(DIBP) (Cas No.:84-69-5)	50	N.D.	1000

Note:

1) N.D. = Not Detected or less than MDL.

2) MDL = Method Detection Limit.

3)“▲” = This data is obtained from composite testing on more than one materials or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes is substantially higher. Please be cautious when using this data for compliance evaluation.

Test method:**Phthalates (DBP/BBP/DEHP/DIBP) content:**

With reference to IEC 62321-8:2017, was analyzed by Gas Chromatograph-Mass Spectrometer (GC-MS).

B. Regulation (EU) 2023/1542 of the European Parliament and of the Council of 12 July 2023 concerning batteries and waste batteries - Heavy Metals in Batteries: Unit (mg/kg)**Test method:** Acid digestion, and the analyzed by atomic absorption or inductively coupled argon plasma spectrometry.

Test Number	Item/ component description(s)			
A20	Battery			

Test item(s)	MDL	Test Result A20	Maximum permissible limit	Conclusion
Mercury(Hg)	5	N.D.	5	PASS
Cadmium(Cd)	5	N.D.	20	PASS
Lead(Pb)	5	N.D.	100	PASS

Note:

1) MDL=Method Detection Limit.

2) N.D. = not detected, less than MDL.

3)“▲” = This data is obtained from composite testing on more than one materials or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes is substantially higher. Please be cautious when using this data for compliance evaluation.

----- End of Report -----

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