



Test Report No.: 68.413.24.0125.01

Rev.: 01

Dated: 2024-09-27

Applicant: SHENZHEN GREPOW BATTERY CO., LTD.

Address: Complex Building (1st to 3rd Floor), 2nd Building (1st to 4th Floor), 1st Building (1st to 4th Floor) Shenzhen Grepow Battery Co., Ltd, Huarong Road Gaofeng Community, Dalang Street, Longhua District, 518110 Shenzhen City, PEOPLE'S REPUBLIC OF CHINA

Sample Description: Jump Starter

Model No.: J1350 PRO

Sample Received Date: 2024-08-06, Shenzhen

Test Period: From 2024-08-06 to 2024-08-23, Shenzhen

Purpose of examination: Verification of RoHS (Restriction of Hazardous Substances) directive 2011/65/EU and its amendment (EU) 2015/863 on submitted samples

Test Results: Refer to following page(s)

Remark: The result relates only to the items tested.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

Prepared by:

Reviewed by:



Elsa Deng
Project Handler

Scarlett Liang
Designated Reviewer

Any use for advertising purposes must be granted in writing. This test report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.

Disclaimer Measurement Uncertainty: Unless otherwise agreed upon, pass or fail verdicts are given based on the measured values without consideration of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as pass or fail.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

Tel.: (86) 755 88286998

Fax: (86) 755 88285299

Building 12 & 13, Zhiheng Wisdomland Business Park,
Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong 518052 China

Test Report No.: 68.413.24.0125.01

Rev.: 01

Dated: 2024-09-27

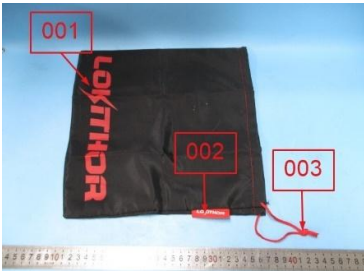
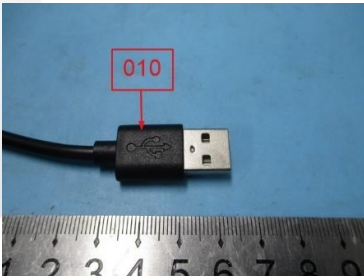
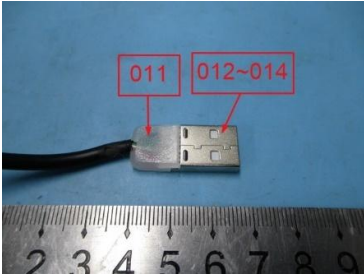


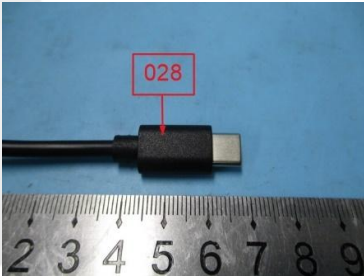
SUMMARY OF TEST RESULTS

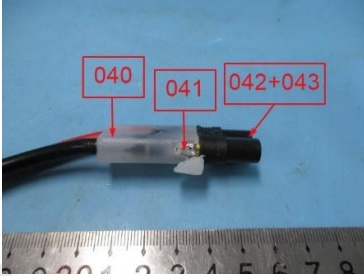
No.	Test Requested	Conclusion	Remarks
1.	Heavy Metal (Pb, Cd, Hg and Cr VI) Content	PASS	
2.	Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) Content	PASS	
3.	Phthalates (DEHP, BBP, DBP and DIBP) Content	PASS	



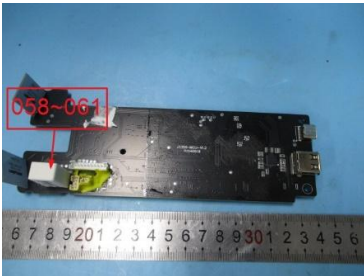
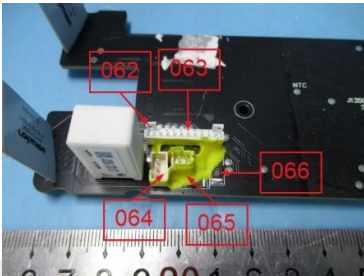
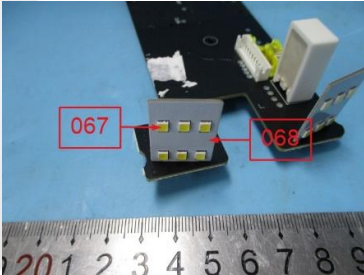
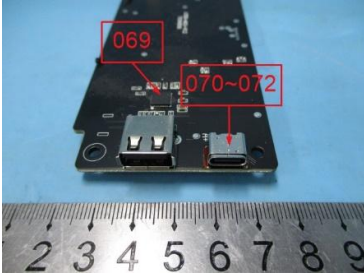
1. TESTED SUBJECT DESCRIPTION

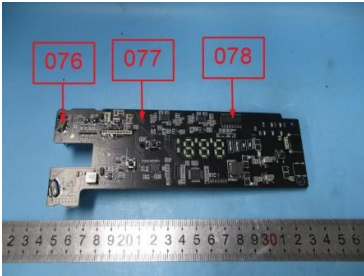
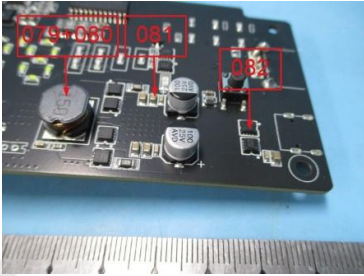
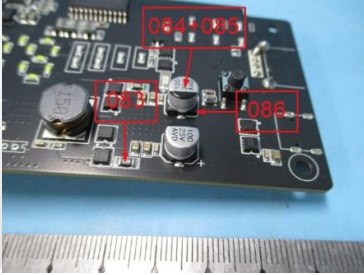
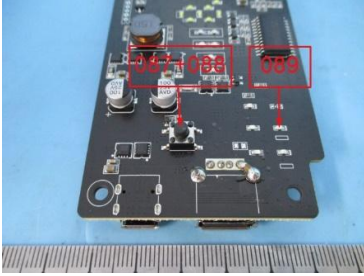
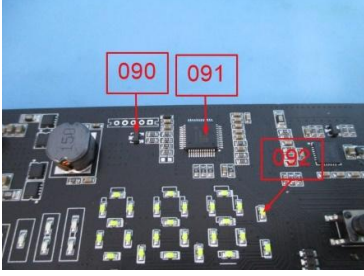
Test No.	Sample No.	Tested Material Description	Photo
T1	001	Black fabric with red printing	
T2	002	Red/white fabric	
T3	003	Red fabric cord	
T4	004	Black soft plastic cable jacket	
T5	005	Green soft plastic wire jacket	
T6	006	Red soft plastic wire jacket	
T7	007	White soft plastic wire jacket	
T8	008	Black soft plastic wire jacket	
T9	009	Silvery metal wire	
T10	010	Black soft plastic plug	
T11	011	Translucent plastic plug	
T12	012	Silvery metal shell	
T13	013	White plastic holder	
T14	014	Golden metal pin	
T15	015	Black soft plastic plug	

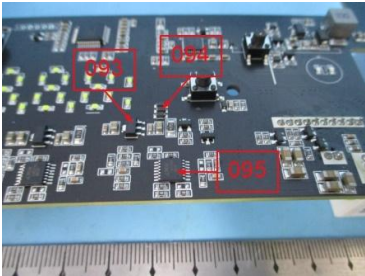
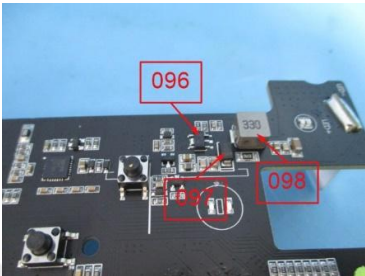
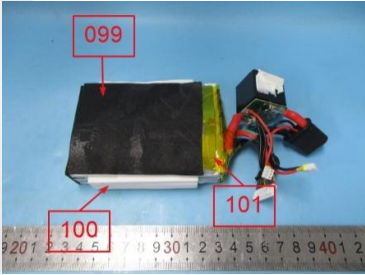
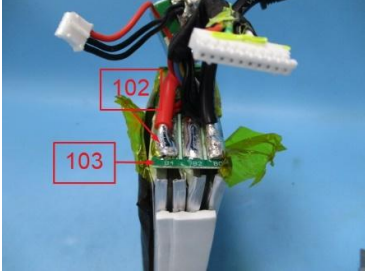
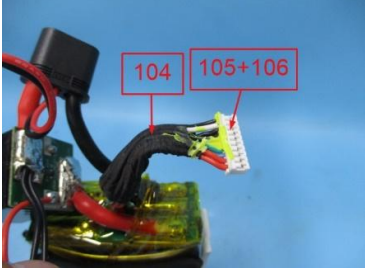
Test No.	Sample No.	Tested Material Description	Photo
T16	016	Black plastic plug	
T17	017	Silvery metal shell	
T18	018	Green PCB	
T19	019	Black plastic holder	
T20	020	Silvery metal pin	
T21	021	Black soft plastic cable jacket	
T22	022	Silvery plastic foil	
T23	023	Green soft plastic wire jacket	
T24	024	Red soft plastic wire jacket	
T25	025	White soft plastic wire jacket	
T26	026	Black soft plastic wire jacket	
T27	027	Blue soft plastic wire jacket	
T28	028	Black soft plastic plug	
T29	029	Black plastic plug	
T30	030	Silvery metal shell	
T31	031	Green PCB	
T32	032	Black plastic holder	
T33	033	Silvery metal pin	
T34	034	Red soft plastic wire jacket	
T35	035	Red soft plastic wire jacket interior	
T36	036	Black soft plastic wire jacket	
T37	037	Black soft plastic wire jacket interior	
T38	038	Silvery metal wire	

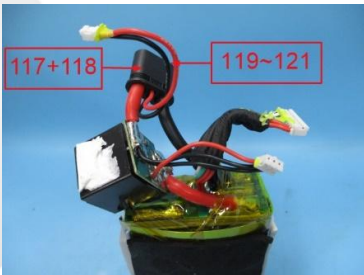
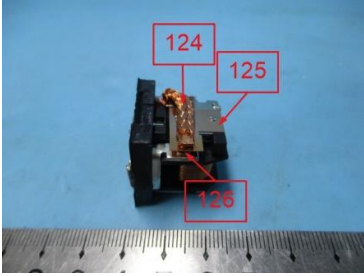
Test No.	Sample No.	Tested Material Description	Photo
T39	039	Black soft plastic shell	
T40	040	Translucent plastic plug	
T41	041	Silvery metal solder	
T42	042	Black plastic plug	
T43	043	Golden metal terminal	
T44	044	Red plastic shell	
T45	045	Black plastic shell	
T46	046	Silvery metal rivet	
T47	047	Coppery metal clamp	
T48	048	Light blue metal spring	
T49	049	Black adhesive plastic panel	
T50	050	Green adhesive plastic label with black/white printing	
T51	051	Dark grey plastic shell	

Test No.	Sample No.	Tested Material Description	Photo
T52	052	Transparent plastic shell	
T53	053	Black soft plastic lid	
T54	054	Black adhesive plastic label with colored printing	
T55	055	Black coated metal screw	
T56	056	Black soft plastic ring	
T57	057	Black coated metal screw	

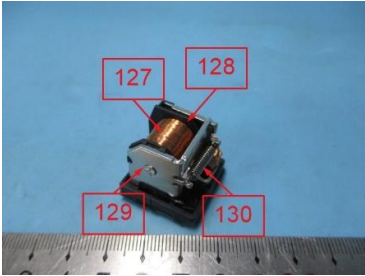
Test No.	Sample No.	Tested Material Description	Photo
T58	058	White ceramic shell	
T59	059	Beige clay	
T60	060	Grey body inner	
T61	061	Silvery metal pin inner	
T62	062	White plastic socket	
T63	063	Silvery metal pin	
T64	064	Beige plastic socket	
T65	065	Yellow glue	
T66	066	White body with black printing	
T67	067	Yellow LED body	
T68	068	White PCB	
T69	069	Black body	
T70	070	Silvery metal socket	
T71	071	Black plastic socket	
T72	072	Silvery metal pin	
T73	073	Silvery metal socket	
T74	074	Black plastic holder	
T75	075	Silvery metal pin	

Test No.	Sample No.	Tested Material Description	Photo
T76	076	Silvery metal solder	
T77	077	Black PCB	
T78	078	Black body	
T79	079	Black magnet	
T80	080	Coppery metal coil	
T81	081	Brown body	
T82	082	Black body	
T83	083	Black body with white printing	
T84	084	Silvery metal body with black printing	
T85	085	Black plastic stopper	
T86	086	Black plastic base	
T87	087	Black plastic (button)	
T88	088	Silvery metal (button)	
T89	089	Translucent LED body	
T90	090	Black body	
T91	091	Black body	
T92	092	Yellow LED body	

Test No.	Sample No.	Tested Material Description	Photo
T93	093	Black body	
T94	094	Black body	
T95	095	Black body	
T96	096	Black body	
T97	097	Black body	
T98	098	Grey body	
T99	099	Black adhesive foam	
T100	100	White adhesive foam	
T101	101	Translucent yellow adhesive plastic tape	
T102	102	Silvery metal solder	
T103	103	Green PCB	
T104	104	Black adhesive fabric tape	
T105	105	White plastic socket	
T106	106	Silvery metal pin	

Test No.	Sample No.	Tested Material Description	Photo
T107	107	Black soft plastic wire jacket	
T108	108	White soft plastic wire jacket	
T109	109	Yellow soft plastic wire jacket	
T110	110	Green soft plastic wire jacket	
T111	111	Red soft plastic wire jacket	
T112	112	Blue soft plastic wire jacket	
T113	113	Silvery metal wire	
T114	114	Red soft plastic wire jacket	
T115	115	Black soft plastic wire jacket	
T116	116	Silvery metal wire	
T117	117	Black plastic plug	
T118	118	Golden metal terminal	
T119	119	Red soft plastic wire jacket	
T120	120	Black soft plastic wire jacket	
T121	121	Silvery metal wire	
T122	122	Green PCB	
T123	123	Black plastic shell	
T124	124	Coppery metal wire	
T125	125	Coppery metal sheet	
T126	126	Silvery/coppery metal contact	



Test No.	Sample No.	Tested Material Description	Photo
T127	127	Coppery metal wire	
T128	128	Black plastic base	
T129	129	Silvery metal part	
T130	130	Silvery metal spring	





2. TEST RESULT(S)

2.1 SCREENING TEST

Test method: With reference to EN 62321-1:2013, EN IEC 62321-2:2021, EN 62321-3-1:2014 and EN 62321-8:2017. For Heavy Metals and Flame Retardants, analyzed by Energy Dispersive X-ray Fluorescence Spectrometer (XRF); for phthalates, analyzed by Gas Chromatography and Mass Spectrometer (GC-MS).

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
001	BL	BL	BL	BL	BL	BL	BL	BL	BL
002	BL	BL	BL	BL	BL	BL	BL	BL	BL
003	BL	BL	BL	BL	BL	BL	BL	BL	BL
004	BL	BL	BL	BL	BL	BL	BL	BL	BL
005	BL	BL	BL	BL	BL	BL	BL	BL	BL
006	BL	BL	BL	BL	BL	BL	BL	BL	BL
007	BL	BL	BL	BL	BL	BL	BL	BL	BL
008	BL	BL	BL	BL	BL	BL	BL	BL	BL
009	BL	BL	BL	BL	NA	NA	NA	NA	NA
010	BL	BL	BL	BL	BL	BL	BL	BL	BL
011	BL	BL	BL	BL	BL	BL	BL	BL	BL
012	BL	BL	BL	BL	NA	NA	NA	NA	NA
013	BL	BL	BL	BL	BL	BL	BL	BL	BL
014	BL	BL	BL	BL	NA	NA	NA	NA	NA
015	BL	BL	BL	BL	BL	BL	BL	BL	BL
016	BL	BL	BL	BL	BL	BL	BL	BL	BL
017	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
018	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
019	BL	BL	BL	BL	BL	BL	BL	BL	BL
020	BL	BL	BL	BL	NA	NA	NA	NA	NA
021	BL	BL	BL	BL	BL	BL	BL	BL	BL
022	BL	BL	BL	BL	BL	BL	BL	BL	BL
023	BL	BL	BL	BL	BL	BL	BL	BL	BL
024	BL	BL	BL	BL	BL	BL	BL	BL	BL
025	BL	BL	BL	BL	BL	BL	BL	BL	BL
026	Inc. ^(a)	BL	BL	BL	BL	BL	BL	BL	BL
027	BL	BL	BL	BL	BL	BL	BL	BL	BL



Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
028	BL	BL	BL	BL	BL	BL	BL	BL	BL
029	BL	BL	BL	BL	BL	BL	BL	BL	BL
030	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
031	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
032	BL	BL	BL	BL	BL	BL	BL	BL	BL
033	BL	BL	BL	BL	NA	NA	NA	NA	NA
034	BL	BL	BL	BL	BL	BL	BL	BL	BL
035	BL	BL	BL	BL	BL	BL	BL	BL	BL
036	BL	BL	BL	BL	BL	BL	BL	BL	BL
037	BL	BL	BL	BL	BL	BL	BL	BL	BL
038	BL	BL	BL	BL	NA	NA	NA	NA	NA
039	BL	BL	BL	BL	BL	BL	BL	BL	BL
040	BL	BL	BL	BL	BL	BL	BL	BL	BL
041	BL	BL	BL	BL	NA	NA	NA	NA	NA
042	BL	BL	BL	BL	BL	BL	BL	BL	BL
043	BL	BL	BL	OL ^(a)	NA	NA	NA	NA	NA
044	BL	BL	BL	BL	BL	BL	BL	BL	BL
045	BL	BL	BL	BL	BL	BL	BL	BL	BL
046	BL	BL	BL	BL	NA	NA	NA	NA	NA
047	BL	BL	BL	BL	NA	NA	NA	NA	NA
048	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
049	BL	BL	BL	BL	BL	BL	BL	BL	BL
050	BL	BL	BL	BL	BL	BL	BL	BL	BL
051	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
052	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
053	BL	BL	BL	BL	BL	BL	BL	BL	BL
054	BL	BL	BL	BL	BL	BL	BL	BL	BL
055	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
056	BL	BL	BL	BL	BL	BL	BL	BL	BL
057	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
058	BL	BL	BL	BL	NA	NA	NA	NA	NA
059	BL	BL	BL	BL	NA	NA	NA	NA	NA



Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
060	BL	BL	BL	BL	BL	BL	BL	BL	BL
061	BL	BL	BL	BL	NA	NA	NA	NA	NA
062	BL	BL	BL	BL	BL	BL	BL	BL	BL
063	BL	BL	BL	BL	NA	NA	NA	NA	NA
064	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
065	BL	BL	BL	BL	BL	BL	BL	BL	BL
066	BL	Inc. ^(a)	BL	Inc. ^(a)	BL	BL	BL	BL	BL
067	BL	BL	BL	BL	BL	BL	BL	BL	BL
068	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
069	BL	BL	BL	BL	BL	BL	BL	BL	BL
070	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
071	BL	BL	BL	BL	BL	BL	BL	BL	BL
072	BL	BL	BL	BL	NA	NA	NA	NA	NA
073	BL	BL	BL	BL	NA	NA	NA	NA	NA
074	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
075	BL	BL	BL	BL	NA	NA	NA	NA	NA
076	BL	BL	BL	BL	NA	NA	NA	NA	NA
077	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
078	BL	BL	BL	BL	BL	BL	BL	BL	BL
079	BL	BL	BL	BL	NA	NA	NA	NA	NA
080	BL	BL	BL	BL	NA	NA	NA	NA	NA
081	BL	BL	BL	BL	BL	BL	BL	BL	BL
082	BL	BL	BL	BL	BL	BL	BL	BL	BL
083	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL	BL
084	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
085	BL	BL	BL	BL	BL	BL	BL	BL	BL
086	BL	BL	BL	BL	BL	BL	BL	BL	BL
087	BL	BL	BL	BL	BL	BL	BL	BL	BL
088	BL	BL	BL	BL	NA	NA	NA	NA	NA
089	BL	BL	BL	BL	BL	BL	BL	BL	BL
090	BL	BL	BL	BL	BL	BL	BL	BL	BL
091	BL	BL	BL	BL	BL	BL	BL	BL	BL



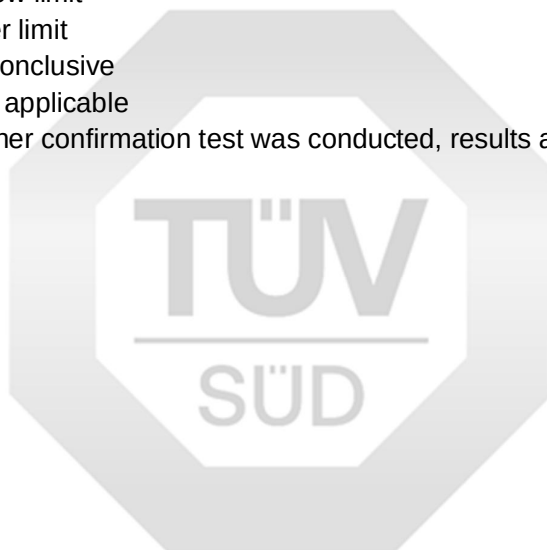
Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
092	Inc. ^(a)	BL	BL	BL	BL	BL	BL	BL	BL
093	BL	BL	BL	BL	BL	BL	BL	BL	BL
094	BL	BL	BL	BL	BL	BL	BL	BL	BL
095	BL	BL	BL	BL	BL	BL	BL	BL	BL
096	BL	BL	BL	BL	BL	BL	BL	BL	BL
097	BL	BL	BL	BL	BL	BL	BL	BL	BL
098	BL	Inc. ^(a)	BL	BL	BL	BL	BL	BL	BL
099	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
100	BL	BL	BL	BL	BL	BL	BL	BL	BL
101	BL	BL	BL	BL	BL	BL	BL	BL	BL
102	BL	BL	BL	BL	NA	NA	NA	NA	NA
103	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
104	BL	BL	BL	BL	BL	BL	BL	BL	BL
105	BL	BL	BL	BL	BL	BL	BL	BL	BL
106	BL	BL	BL	BL	NA	NA	NA	NA	NA
107	BL	BL	BL	BL	BL	BL	BL	BL	BL
108	BL	BL	BL	BL	BL	BL	BL	BL	BL
109	BL	BL	BL	BL	BL	BL	BL	BL	BL
110	BL	BL	BL	BL	BL	BL	BL	BL	BL
111	BL	BL	BL	BL	BL	BL	BL	BL	BL
112	BL	BL	BL	BL	BL	BL	BL	BL	BL
113	BL	BL	BL	BL	NA	NA	NA	NA	NA
114	BL	BL	BL	BL	BL	BL	BL	BL	BL
115	BL	BL	BL	BL	BL	BL	BL	BL	BL
116	BL	BL	BL	BL	NA	NA	NA	NA	NA
117	BL	BL	BL	BL	BL	BL	BL	BL	BL
118	BL	BL	BL	OL ^(a)	NA	NA	NA	NA	NA
119	BL	BL	BL	BL	BL	BL	BL	BL	BL
120	BL	BL	BL	BL	BL	BL	BL	BL	BL
121	BL	BL	BL	BL	NA	NA	NA	NA	NA
122	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
123	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL



Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
124	BL	BL	BL	BL	NA	NA	NA	NA	NA
125	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
126	BL	BL	BL	BL	NA	NA	NA	NA	NA
127	BL	BL	BL	BL	NA	NA	NA	NA	NA
128	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
129	BL	BL	BL	BL	NA	NA	NA	NA	NA
130	BL	BL	BL	BL	NA	NA	NA	NA	NA

Note:

- "BL" denotes below limit
- "OL" denotes over limit
- "Inc." denotes inconclusive
- "NA" denotes not applicable
- "(a)" denotes further confirmation test was conducted, results are listed in 2.2 and 2.3.





-XRF screening limits in mg/kg for regulated elements in various matrices

ELEMENT	POLYMER		
	BL	INCONCLUSIVE	OL
Cd	$X \leq (70-3\sigma)$	$(70-3\sigma) < X < (130+3\sigma)$	$X \geq (130+3\sigma)$
Pb	$X \leq (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X \geq (1300+3\sigma)$
Hg	$X \leq (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X \geq (1300+3\sigma)$
Br	$X \leq (300-3\sigma)$	$X > (300-3\sigma)$	NA
Cr	$X \leq (700-3\sigma)$	$X > (700-3\sigma)$	NA

ELEMENT	METAL		
	BL	INCONCLUSIVE	OL
Cd	$X \leq (70-3\sigma)$	$(70-3\sigma) < X < (130+3\sigma)$	$X \geq (130+3\sigma)$
Pb	$X \leq (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X \geq (1300+3\sigma)$
Hg	$X \leq (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X \geq (1300+3\sigma)$
Cr	$X \leq (700-3\sigma)$	$X > (700-3\sigma)$	NA

ELEMENT	COMPLEX MATERIAL		
	BL	INCONCLUSIVE	OL
Cd	$X \leq (50-3\sigma)$	$(50-3\sigma) < X < (150+3\sigma)$	$X \geq (150+3\sigma)$
Pb	$X \leq (500-3\sigma)$	$(500-3\sigma) < X < (1500+3\sigma)$	$X \geq (1500+3\sigma)$
Hg	$X \leq (500-3\sigma)$	$(500-3\sigma) < X < (1500+3\sigma)$	$X \geq (1500+3\sigma)$
Br	$X \leq (250-3\sigma)$	$X > (250-3\sigma)$	NA
Cr	$X \leq (500-3\sigma)$	$X > (500-3\sigma)$	NA

-Screening limits in mg/kg for regulated phthalates in various matrices

PHthalATES	BL	INCONCLUSIVE
DEHP	$X < 600$	$X \geq 600$
BBP	$X < 600$	$X \geq 600$
DBP	$X < 600$	$X \geq 600$
DIBP	$X < 600$	$X \geq 600$

Test Report No.: 68.413.24.0125.01

Rev.: 01

Dated: 2024-09-27

2.2 HEAVY METAL CONTENT

Test method: With reference to EN 62321-4:2014 /A1:2017, EN 62321-5:2014, EN 62321-7-1:2015 and EN 62321-7-2:2017, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) and Ultraviolet-visible spectrophotometer (UV-Vis).

[Reporting Limit: 2.0 mg/kg for Cadmium; 10.0 mg/kg or 0.10 µg/cm² for Hexavalent Chromium, 10.0 mg/kg for Lead and Mercury.]

Sample No.	Result(s)				
	Total Cadmium	Hexavalent Chromium	Hexavalent Chromium	Total Mercury	Total Lead
017	--	/	Negative	--	--
026	<2.0	--	--	--	--
030	--	/	Negative	--	--
043	--	--	--	--	3.18×10 ^{4(a)}
048	--	/	Negative	--	--
055	--	/	Negative	--	--
057	--	/	Negative	--	--
066	--	<10.0	/	--	312.3
070	--	/	Negative	--	--
083	--	--	--	--	340.5
084	--	/	Negative	--	--
092	<2.0	--	--	--	--
098	--	<10.0	/	--	--
118	--	--	--	--	2.26×10 ^{4(a)}
125	--	/	Negative	--	--
Unit	mg/kg	mg/kg	µg/cm²	mg/kg	mg/kg
RoHS Requirement	100	1000	Negative [#]	1000	1000

Note:

- "mg/kg" denotes milligram per kilogram
- "µg/cm²" denotes micrograms per square centimeter
- "<" denotes less than
- "Negative" denotes the absorbance value of sample is < 0.10 µg/cm², the sample is considered to be negative for Hexavalent Chromium.
- "[#]" According to DIRECTIVE 2011/65/EU Article 4(1) and Annex II. While, positive means the presence of CrVI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1) and Annex II.
- "--" denotes tested by XRF, result is listed in 2.1
- "(a)" denotes the exempt item according to DIRECTIVE 2011/65/EU Annex III item 6(c) "Copper alloy containing up to 4 % lead by weight".



2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

Test Method: With reference to EN 62321-6:2015, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 5 mg/kg]

Test Item		Result(s) [mg/kg]		RoHS Requirement [mg/kg]
		Sample 018+031+068	Sample 051+052+064	
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 detected PBBs	<50	<50	
PBDEs	Monobromodiphenyl ether	<5	<5	Sum of PBDEs 1000
	Dibromodiphenyl ether	<5	<5	
	Tribromodiphenyl ether	<5	<5	
	Tetrabromodiphenyl ether	<5	<5	
	Pentabromodiphenyl ether	<5	<5	
	Hexabromodiphenyl ether	<5	<5	
	Heptabromodiphenyl ether	<5	<5	
	Octabromodiphenyl ether	<5	<5	
	Nonabromodiphenyl ether	<5	<5	
	Decabromodiphenyl ether	<5	<5	
	Sum of detected PBDEs	<50	<50	

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than



2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

Test Method: With reference to EN 62321-6:2015, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 5 mg/kg]

Test Item		Result(s) [mg/kg]		RoHS Requirement [mg/kg]
		Sample 074+123+128	Sample 077+103+122	
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 detected PBBs	<50	<50	
PBDEs	Monobromodiphenyl ether	<5	<5	Sum of PBDEs 1000
	Dibromodiphenyl ether	<5	<5	
	Tribromodiphenyl ether	<5	<5	
	Tetrabromodiphenyl ether	<5	<5	
	Pentabromodiphenyl ether	<5	<5	
	Hexabromodiphenyl ether	<5	<5	
	Heptabromodiphenyl ether	<5	<5	
	Octabromodiphenyl ether	<5	<5	
	Nonabromodiphenyl ether	<5	<5	
	Decabromodiphenyl ether	<5	<5	
	Sum of detected PBDEs	<50	<50	

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than



2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

Test Method: With reference to EN 62321-6:2015, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 5 mg/kg]

Test Item		Result(s) [mg/kg]	RoHS Requirement [mg/kg]
		Sample 099	
PBBs	Monobromobiphenyl	<5	Sum of PBBs 1000
	Dibromobiphenyl	<5	
	Tribromobiphenyl	<5	
	Tetrabromobiphenyl	<5	
	Pentabromobiphenyl	<5	
	Hexabromobiphenyl	<5	
	Heptabromobiphenyl	<5	
	Octabromobiphenyl	<5	
	Nonabromobiphenyl	<5	
	Decabromobiphenyl	<5	
	Sum of detected PBBs	<50	
PBDEs	Monobromodiphenyl ether	<5	Sum of PBDEs 1000
	Dibromodiphenyl ether	<5	
	Tribromodiphenyl ether	<5	
	Tetrabromodiphenyl ether	<5	
	Pentabromodiphenyl ether	<5	
	Hexabromodiphenyl ether	<5	
	Heptabromodiphenyl ether	<5	
	Octabromodiphenyl ether	<5	
	Nonabromodiphenyl ether	<5	
	Decabromodiphenyl ether	<5	
	Sum of detected PBDEs	<50	

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than

Test Report No.: 68.413.24.0125.01

Rev.: 01

Dated: 2024-09-27

APPENDIX I:

Photos of submitted products



Jump Starter (J1350 PRO)

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