

Report No.: 18300RC20307201

Test Report

Client Name : EcoFlow Inc.

Client Address : Plant A202, Founder Technology Industrial Park,
Shiyan Sub-district, Bao'an District Shenzhen,
Guangdong 518000 China

Product Name : Portable Power Station


Report Date : July 04, 2022



Shenzhen Anbotech Compliance Laboratory Limited

Shenzhen Anbotech Compliance Laboratory Limited

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Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 1 of 35

Applicant : EcoFlow Inc.

Address : Plant A202, Founder Technology Industrial Park, Shiyan Sub-district,
Bao'an District Shenzhen, Guangdong 518000 China

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample Name : Portable Power Station

Test Model No. : EFD330-EB

Manufacturer : EcoFlow Inc.

Trade Mark : ECOFLOW

Country of Destination : Europe

Sample Received Date : June 16, 2022

Testing Period : June 17, 2022 to July 04, 2022

Test Requested : As specified by client, based on the list published by European chemicals agency (ECHA) for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the two hundred and twenty-four (224) Substances of Very High Concern (SVHC) in the selected material of the submitted sample.

Test Method: In-House method-Analyzed by ICP-OES, UV-Vis, HPLC, LC-MS-MS, GC, GC-MS and colorimetric method

Test Result(s): Please refer to the following page(s).

Summary:

According to the ruling of the Court of Justice of the European Union on the definition of an article under REACH, and the specified scope and evaluation screening, the test results of SVHC are >0.1%(w/w) in the articles of the submitted sample:

-Lead

Warning

Edited by

Lily LV

Reviewed by

QinNa

Authorized Signatory

Carla



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 2 of 35

Tested Sample/Part Description:

Tested Groups	Description	Photo No.	Component
A#	Metal mixed	8	Copper-colored metal pin
		12	Silvery metal pin
		13	Copper-colored metal pin
		44	Silvery metal shell
		46	Silvery metal sheet
		51	Silvery metal pin
		55	Copper-colored metal plate
		58	Silvery metal sheet
		60	Silvery metal screw
		74	Silvery metal pin
B#	Nonmetal mixed	1	Gray plastic sheet
		2	Grey plastic cover
		3	Grey plastic shell
		4	Black rubber sheet
		5	Black plastic shell
		6	Black label paper
		7	Black rubber foot pad
		9	Transparent plastic sheet
		10	Brown plastic button
		11	Black plastic sheet
		14	Black plastic block
		15	White plastic plug
		16	White plastic jacket
		17	Black heat shrink sleeve
		18	LED
		19	Beige plastic socket
		20	Black plastic jacket
		21	IC
		22	Chip resistor
		23	IC
		24	Yellow FPC
		25	Black foam block
		26	Black glass sheet
		27	Transparent plastic sheet



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 3 of 35

Tested Groups	Description	Photo No.	Component
B#	Nonmetal mixed	28	White plastic sheet
		29	White plastic sheet
		30	LED
		31	White PCB board
		32	Red plastic jacket
		33	Black plastic jacket
		34	Chip diode
		35	IC
		36	Chip capacitor
		37	IC
		38	IC
		39	IC
		40	Chip audion
		41	Chip resistor
		42	Audion
		43	White glue
		45	Black plastic pedestal
		47	Black plastic button
		48	White fuse tube
		49	Green resistor
		50	Black plastic jacket
		52	IC
		53	Inductor
		54	IC
		56	Green PCB board
		57	Black plastic sheet
		59	Black plastic frame
		61	Green PCB board
		62	Black foam flakes
		63	Black plastic line set
		64	Black Velcro
		65	Black plastic scarfskin
		66	Red plastic jacket
		67	Black plastic jacket
		68	Red plastic jacket



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 4 of 35

Tested Groups	Description	Photo No.	Component
B#	Nonmetal mixed	69	Black plastic jacket
		70	Yellow plastic jacket
		71	Orange plastic jacket
		72	Blue plastic jacket
		73	Purple plastic jacket

Test Result(s): (Substances in the Candidate List of SVHC)

Tested Groups	Code	Test Item	Report Results (%)
A#	185	Lead	1.8040
	-	Other tested SVHC in Candidate List	N.D.
B#	-	All tested SVHC in Candidate List	N.D.



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 5 of 35

Attachment (Full list of tested SVHC):

The first: Fifteen Substances of Very High Concern (Released in Oct, 2008)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
1	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	0.005
2	Diarsenic pentaoxide**	1303-28-2	215-116-9	0.01
3	Diarsenic trioxide**	1327-53-3	215-481-4	0.01
4	Triethyl arsenate**	15606-95-8	427-700-2	0.01
5	Lead hydrogen arsenate**	7784-40-9	232-064-2	0.01
6	Cobalt dichloride**	7646-79-9	231-589-4	0.01
7	Sodium dichromate **	7789-12-0, 10588-01-9	234-190-3	0.01
8	Anthracene	120-12-7	204-371-1	0.005
9	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	0.005
10	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.005
11	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.005
12	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.005
13	Di-2-ethylhexyl phthalate(DEHP)	117-81-7	204-211-0	0.005
14	Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified	25637-99-4, 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	247-148-4, 221-695-9	0.005
15	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 6 of 35

The second: Thirteen Substances of Very High Concern (Released in Jan, 2010 and Mar, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
16	Anthracene oil	90640-80-5	292-602-7	0.05
17	Anthracene oil, anthracene paste, distn. lights	91995-17-4	295-278-5	0.05
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.05
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05
21	Pitch, coal tar, high temp.	65996-93-2	266-028-2	0.05
22	Acrylamide	79-06-1	201-173-7	0.01
23	2,4-Dinitrotoluene	121-14-2	204-450-0	0.01
24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.005
25	Lead chromate**	7758-97-6	231-846-0	0.05
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) **	12656-85-8	235-759-9	0.05
27	Lead sulphochromate yellow (C.I. Pigment Yellow 34) **	1344-37-2	215-693-7	0.05
28	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	0.01

The third: Eight Substances of Very High Concern (Released in Jun, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
29	Trichloroethylene	79-01-6	201-167-4	0.005
30	Boric acid**	10043-35-3/ 11113-50-1	233-139-2/ 234-343-4	0.01
31	Disodium tetraborate, anhydrous**	1330-43-4/ 12179-04-3/ 1303-96-4	215-540-4	0.01
32	Tetraboron disodium heptaoxide, hydrate**	12267-73-1	235-541-3	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 7 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
33	Sodium chromate**	7775-11-3	231-889-5	0.01
34	Potassium chromate**	7789-00-6	232-140-5	0.01
35	Ammonium dichromate**	7789-09-5	232-143-1	0.01
36	Potassium dichromate**	7778-50-9	231-906-6	0.01

The fourth: Eight Substances of Very High Concern (Released in Dec, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	
37	Cobalt(II) sulphate**	10124-43-3	233-334-2	0.01	
38	Cobalt(II) dinitrate**	10141-05-6	233-402-1	0.01	
39	Cobalt(II) carbonate**	513-79-1	208-169-4	0.01	
40	Cobalt(II) diacetate**	71-48-7	200-755-8	0.01	
41	2-Methoxyethanol	109-86-4	203-713-7	0.005	
42	2-Ethoxyethanol	110-80-5	203-804-1	0.005	
43	Chromium trioxide**	1333-82-0	215-607-8	0.01	
44	Acids generated from chromium trioxide and their oligomers	Chromic acid**	7738-94-5	231-801-5	0.01
		Dichromic acid**	13530-68-2	236-881-5	0.01
		Oligomers of chromic acid and dichromic acid**	--	--	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 8 of 35

The fifth: Seven Substances of Very High Concern (Released in Jun, 2011)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
45	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.01
46	Strontium chromate**	7789-06-2	232-142-6	0.01
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)*	68515-42-4	271-084-6	0.01
48	Hydrazine	7803-57-8/ 302-01-2	206-114-9	0.01
49	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.01
50	1,2,3-Trichloropropane	96-18-4	202-486-1	0.01
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich(DIHP)	71888-89-6	276-158-1	0.01

The sixth: Twenty Substances of Very High Concern (Released in Dec, 2011)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
52	Dichromium tris(chromate)**	24613-89-6	246-356-2	0.01
53	Potassium hydroxyoctaoxodizincatedichromate**	11103-86-9	234-329-8	0.01
54	Pentazinc chromate octahydroxide**	49663-84-5	256-418-0	0.01
55	Aluminosilicate Refractory Ceramic Fibres (RCF)**	--	--	0.05
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	--	--	0.05
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.01
58	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	204-212-6	0.005
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.005



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 9 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
60	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	140-66-9	205-426-2	0.005
61	1,2-Dichloroethane	107-06-2	203-458-1	0.005
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.005
63	Arsenic acid**	7778-39-4	231-901-9	0.01
64	Calcium arsenate**	7778-44-1	231-904-5	0.01
65	Trilead diarsenate**	3687-31-8	222-979-5	0.01
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005
68	Phenolphthalein	77-09-8	201-004-7	0.005
69	Lead diazide Lead azide **	13424-46-9	236-542-1	0.01
70	Lead styphnate**	15245-44-0	239-290-0	0.01
71	Lead dipicrate**	6477-64-1	229-335-2	0.01

The seventh: Thirteen Substances of Very High Concern (Released in Jun, 2012)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
72	1,2-bis(2-methoxyethoxy)ethane(TEG DME; triglyme)	112-49-2	203-977-3	0.01
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01
74	Diboron trioxide**	1303-86-2	215-125-8	0.01
75	Formamide	75-12-7	200-842-0	0.01
76	Lead(II) bis(methanesulfonate) **	17570-76-2	401-750-5	0.01
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazin e- 2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 10 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
78	β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	0.01
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.01
80	N,N,N',N'-tetramethyl-4,4'-methylenedi aniline (Michler's base)	101-61-1	202-959-2	0.01
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	0.01
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.01
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.01
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 11 of 35

The eighth: Fifty-four Substances of Very High Concern (Released in Dec, 2012)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.05
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.05
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.05
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.05
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.05
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	--	--	0.05
91	4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	--	--	0.05
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.05
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.05



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 12 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
94	Hexahydromethylphthalic anhy, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.05
95	Methoxy acetic acid	625-45-6	210-894-6	0.05
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.05
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	0.05
98	n-pentyl-isopentylphthalate	776297-69-9	--	0.05
99	1,2-Diethoxyethane	629-14-1	211-076-1	0.05
100	N,N-dimethylformamide	68-12-2	200-679-5	0.05
101	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	0.05
102	Acetic acid, lead salt, basic**	51404-69-4	257-175-3	0.01
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide) **	1319-46-6	215-290-6	0.01
104	Lead oxide sulfate (basic lead sulfate) **	12036-76-9	234-853-7	0.01
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) **	69011-06-9	273-688-5	0.01
106	Dioxobis(stearato)trilead**	12578-12-0	235-702-8	0.01
107	Fatty acids, C16-18, lead salts**	91031-62-8	292-966-7	0.01
108	Lead bis(tetrafluoroborate) **	13814-96-5	237-486-0	0.01
109	Lead cyanamidate**	20837-86-9	244-073-9	0.01
110	Lead dinitrate**	10099-74-8	233-245-9	0.01
111	Lead oxide (lead monoxide) **	1317-36-8	215-267-0	0.01
112	Lead tetroxide (orange lead) **	1314-41-6	215-235-6	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 13 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
113	Lead titanium trioxide**	12060-00-3	235-038-9	0.01
114	Lead Titanium Zirconium Oxide**	12626-81-2	235-727-4	0.01
115	Pentalead tetraoxide sulphate**	12065-90-6	235-067-7	0.01
116	Pyrochlore, antimony lead yellow**	8012 -00-8	232-382-1	0.01
117	Silicic acid, barium salt, lead-doped**	68784-75-8	272-271-5	0.01
118	Silicic acid, lead salt**	11120-22-2	234-363-3	0.01
119	Sulfurous acid, lead salt, dibasic**	62229-08-7	263-467-1	0.01
120	Tetraethyllead**	78-00-2	201-075-4	0.01
121	Tetralead trioxide sulphate**	12202-17-4	235-380-9	0.01
122	Trilead dioxide phosphonate**	12141-20-7	235-252-2	0.01
123	Furan	110-00-9	203-727-3	0.05
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.05
125	Diethyl sulphate	64-67-5	200-589-6	0.05
126	Dimethyl sulphate	77-78-1	201-058-1	0.05
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.05
128	Dinoseb	88-85-7	201-861-7	0.05
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.05
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.05
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.05
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.05
134	Biphenyl-4-ylamine	92-67-1	202-177-1	0.05
135	o-aminoazotoluene	97-56-3	202-591-2	0.05
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.05



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 14 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
137	N-methylacetamide	79-16-3	201-182-6	0.05
138	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.05

The ninth: Six Substances of Very High Concern (Released in Jun, 2013)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
139	Cadmium **	7440-43-9	231-152-8	0.01
140	Cadmium oxide **	1306-19-0	215-146-2	0.01
141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.01
142	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues]	/	/	0.05
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.01
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.01

The tenth: Seven Substances of Very High Concern (Released in Dec, 2013)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
145	Cadmium sulphide**	1306-23-6	215-147-8	0.01
146	Diethyl phthalate	84-75-3	201-559-5	0.01
147	C.I. Direct Red 28	573-58-0	209-358-4	0.01
148	C.I. Direct Black 38	1937-37-7	217-710-3	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 15 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
149	2-imidazoline-2-thiol	96-45-7	202-506-9	0.01
150	Lead di(acetate)**	301-04-2	206-104-4	0.01
151	Trixylyl phosphate	25155-23-1	246-677-8	0.01

The eleventh: Four Substances of Very High Concern (Released in Jun, 2014)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.01
153	Cadmium chloride**	10108-64-2	233-296-7	0.01
154	Sodium perborate; perboric acid, sodium salt**	-	239-172-9; 234-390-0	0.01
155	Sodium peroxometaborate**	7632-04-4	231-556-4	0.01

The twelfth: Six Substances of Very High Concern (Released in Dec, 2014)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
156	Cadmium fluoride**	7790-79-6	232-222-0	0.01
157	Cadmium sulphate**	10124-36-4, 31119-53-6	233-331-6	0.01
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.05
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-284-8	0.05
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 16 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	--	0.05

The thirteenth: Two Substances of Very High Concern (Released in Jun, 2015)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5, 68648-93-1	271-094-0 272-013-1	0.05
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	--	--	0.05

The fourteen: Five Substances of Very High Concern (Released in Dec, 2015)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
164	Nitrobenzene	98-95-3	202-716-0	0.05
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-1-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.05
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.05
167	1,3-propanesultone	1120-71-4	214-317-9	0.05



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 17 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.05

The fifteen: One Substance of Very High Concern (Released in Jun, 2016)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.05

The sixteen: Four Substance of Very High Concern (Released in Jan, 2017)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.005
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	206-400-3 - 221-470-5	0.005
172	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.005
173	4-heptylphenol, branched and linear (4-HPbl)	-	-	0.005



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 18 of 35

The seventeen: One Substance of Very High Concern (Released in Jul, 2017)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	0.005

The eighteen: Seven Substances of Very High Concern (Released in Jan, 2018)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	0.005
176	Benz[a]anthracene	56-55-3, 1718-53-2	200-280-6	0.005
177	Cadmium nitrate**	10022-68-1, 10325-94-7	233-710-6	0.01
178	Cadmium carbonate**	513-78-0	208-168-9	0.01
179	Cadmium hydroxide**	21041-95-2	244-168-5	0.01
180	Chrysene	218-01-9, 1719-03-5	205-923-4	0.005
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	-	0.005



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 19 of 35

The nineteen: Ten Substances of Very High Concern (Released in Jun, 2018)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
182	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01
183	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01
184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.01
185	Lead**	7439-92-1	231-100-4	0.01
186	Disodium octaborate**	12008-41-2	234-541-0	0.01
187	Benzo[ghi]perylene	191-24-2	205-883-8	0.01
188	Terphenyl hydrogenated	61788-32-7	262-967-7	0.01
189	Ethylenediamine (EDA)	107-15-3	203-468-6	0.01
190	Trimellitic anhydride (TMA)	552-30-7	209-008-0	0.01
191	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.01

The twenty: Six Substances of Very High Concern (Released in Jan, 2019)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
192	Pyrene	129-00-0	204-927-3	0.01
193	Phenanthrene	85-01-8	201-581-5	0.01
194	Fluoranthene	206-44-0	205-912-4	0.01
195	Benzo[k]fluoranthene	207-08-9	205-916-6	0.01
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane (Bisphenol P)	6807-17-6	401-720-1	0.01
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC)	15087-24-8	239-139-9	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 20 of 35

The twenty one: Four Substances of Very High Concern (Released in July, 2019)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01
199	4-tert-butylphenol	98-54-4	202-679-0	0.01
200	2-methoxyethyl acetate	110-49-6	203-772-9	0.01
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	0.01

The twenty two: Four Substances of Very High Concern (Released in Jan, 2020)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.01
203	2-methyl-1- (4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01
204	Diisohexyl phthalate	71850-09-4	276-090-2	0.01
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 21 of 35

The twenty three: Four Substances of Very High Concern (Released in June 2020)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
206	1-vinylimidazole	1072-63-5	214-012-0	0.01
207	2-methylimidazole	693-98-1	211-765-7	0.01
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.01
209	Dibutylbis(pentane-2,4-dionato-O,O') tin	22673-19-4	245-152-0	0.01

The twenty four: Two Substances of Very High Concern (Released in Jan. 2021)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.01
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-	0.01

The twenty five: Eight Substances of Very High Concern. (Released in July. 2021)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
212	1,4-dioxane	123-91-1	204-661-8	0.01
213	2,2-bis(bromomethyl) propane 1,3-diol (BMP)	3296-90-0	221-967-7	0.01
	2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	36483-57-5/ 1522-92-5	253-057-0	0.01
	2,3-dibromo-1-propanol (2,3-DBPA)	96-13-9	202-480-9	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 22 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
214	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-	-	0.01
215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	201-025-1	0.01
216	Glutaral	111-30-8	203-856-5	0.01
217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	-	0.01
218	Orthoboric acid, sodium salt**	13840-56-7	237-560-2	0.01
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual (PDDP)	-	-	0.01

The twenty six: Four Substances of Very High Concern (Released in Jan. 2022)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	0.01
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	204-327-1	0.01
222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	0.01



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 23 of 35

Code	Test Item	CAS No.	EC No.	Report Limit (%)
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.01

The twenty seven: One Substances of Very High Concern (Released in June, 2022)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.01

Note:

1. $\text{mg/kg} = \text{ppm} = 10^{-6}$
2. $\% = \text{w/w}$
3. N.D. :< Report Limit
4. * The detected DHNUP are consisted of six phthalates which CAS number are 85507-79-5, 68515-44-6, 68515-45-7, 111381-89-6, 111381-90-9 and 111381-91-0. according to the Annex 15 of REACH.
5. ** According to the 5.2.1 item of the second version of ECHA "Guidance on requirements for substances in articles", 2011, the selected test methods only show the existence of certain elements rather than the existence of substances, using additional measurements to screen for the existence and identification of substances in a sample when necessary.
6. Report Results: based on measurements in most cases will identify the chemical constituents in the sample but not necessarily "the substance" which were originally used to produce the article, professional consults, products information, testing processes, features of materials, characteristics of the SVHC and chemical analysis etc to obtain the assessments results according to the 5.2 item of the second version of ECHA "Guidance on requirements for substances in articles", 2011.
7. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA "Guidance on requirements for substances in articles".
8. #: According to the applicant's request, the admixture of specimen A/B are tested as a whole. The testing results of specimen A/B may be different from that of any sole material in specimen A/B.



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 24 of 35

Appendix:

1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.

2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.

2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 31 and Annex II of REACH.

3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.

1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.

2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 25 of 35

Photograph of Sample



Photo(s) of the tested component(s)



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AB-RHS-03-b



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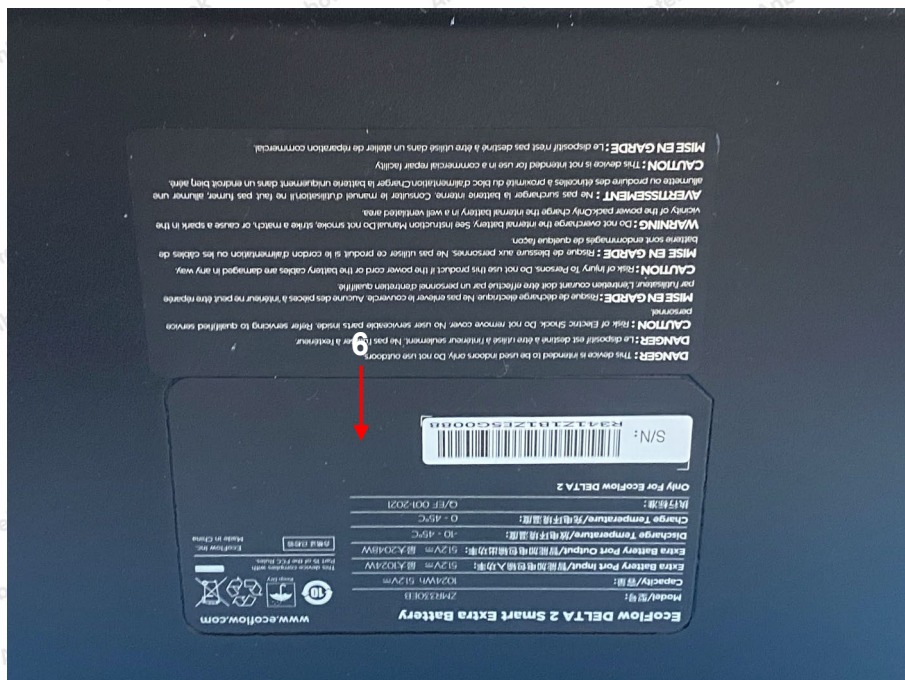


Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 26 of 35



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 27 of 35



Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 28 of 35

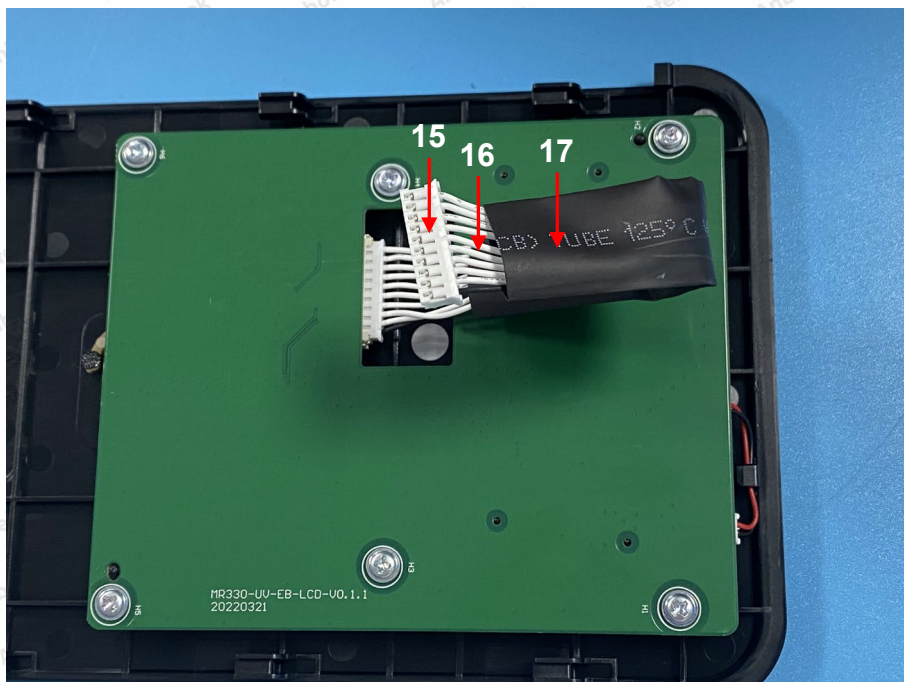
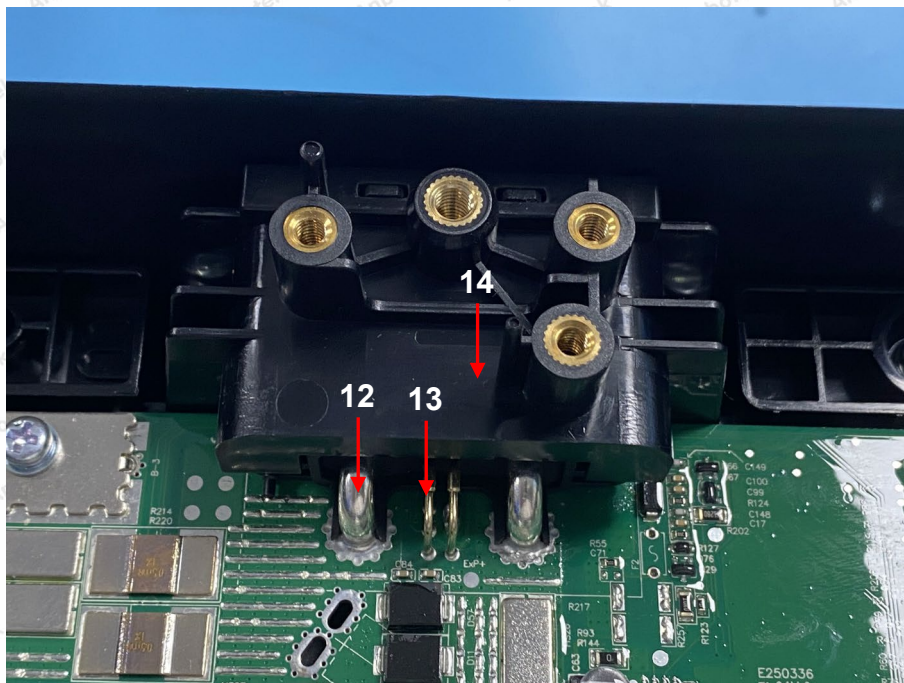


Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 29 of 35

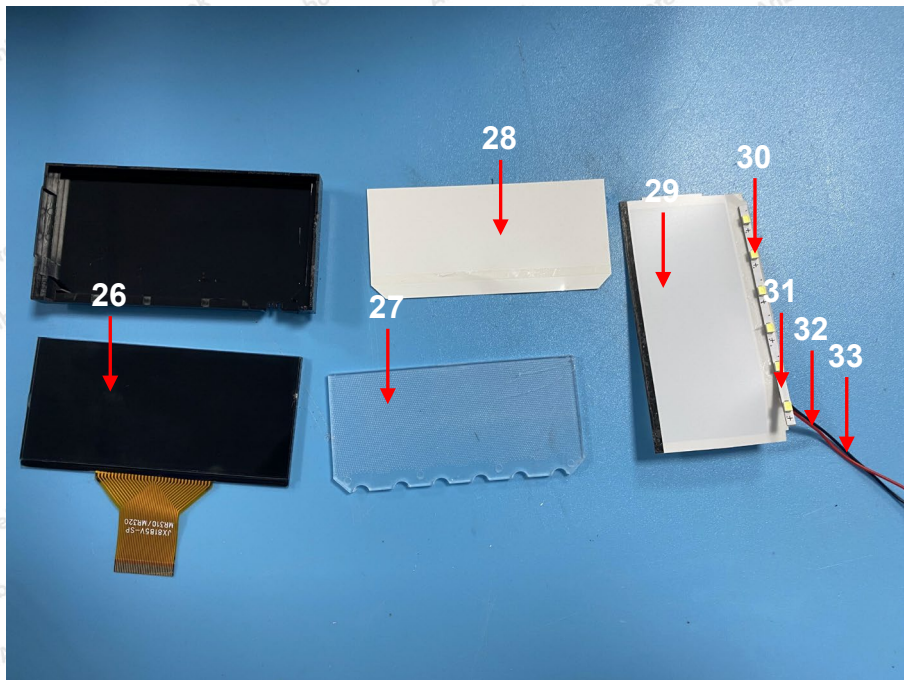
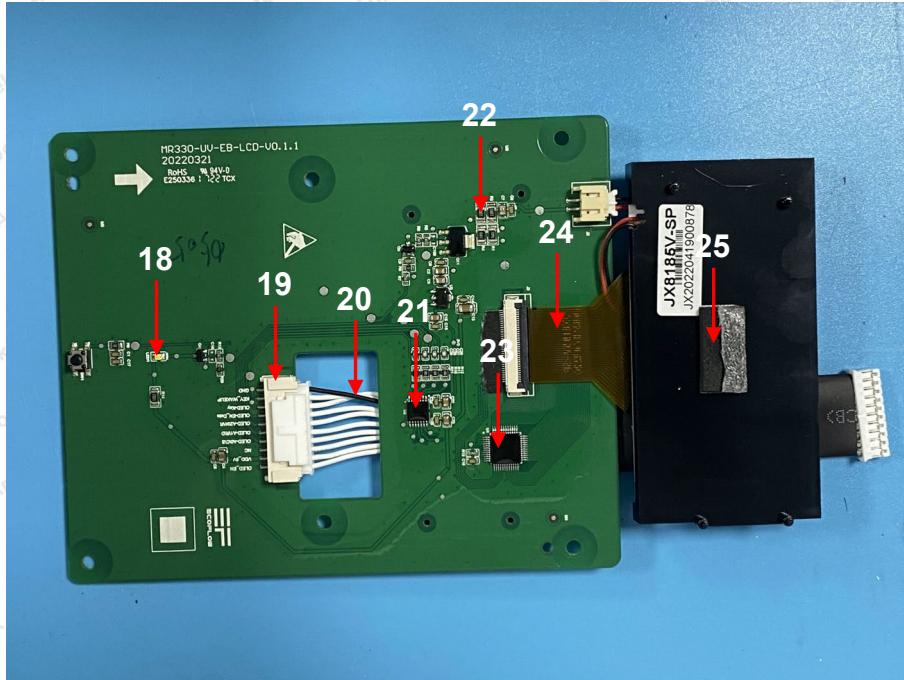


Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 30 of 35

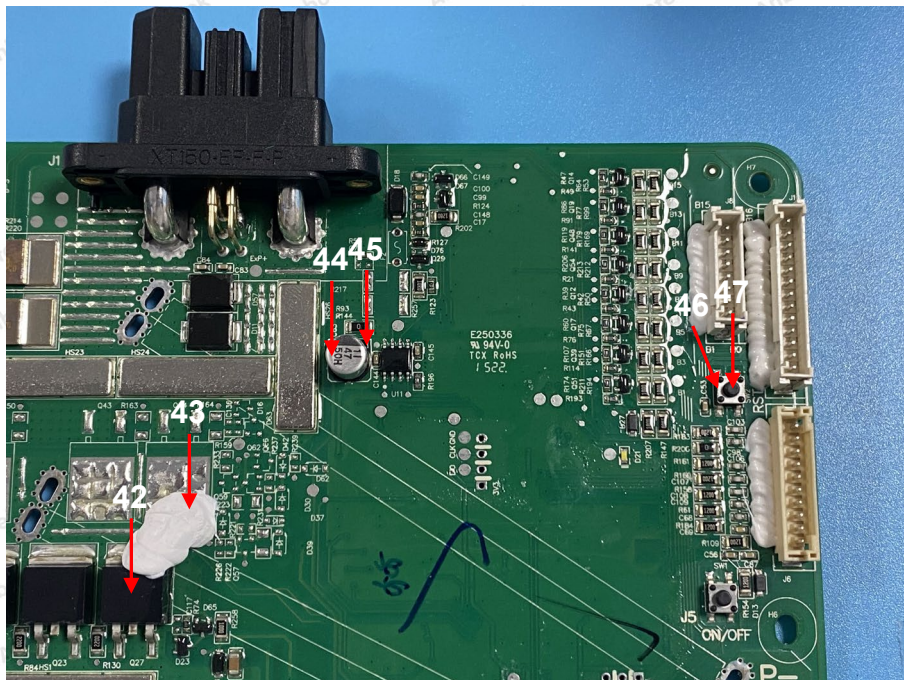
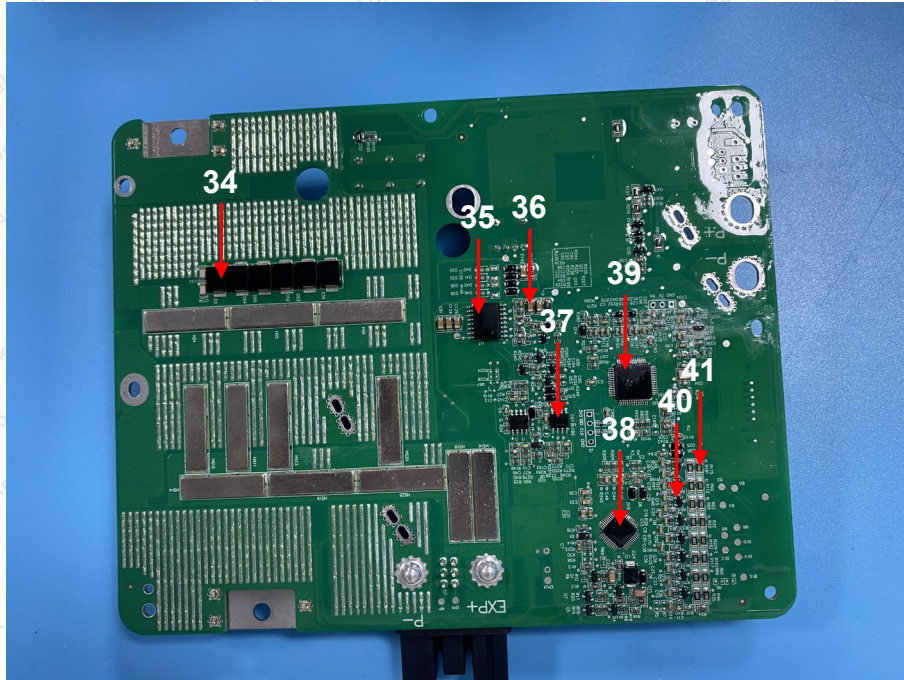


Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 31 of 35

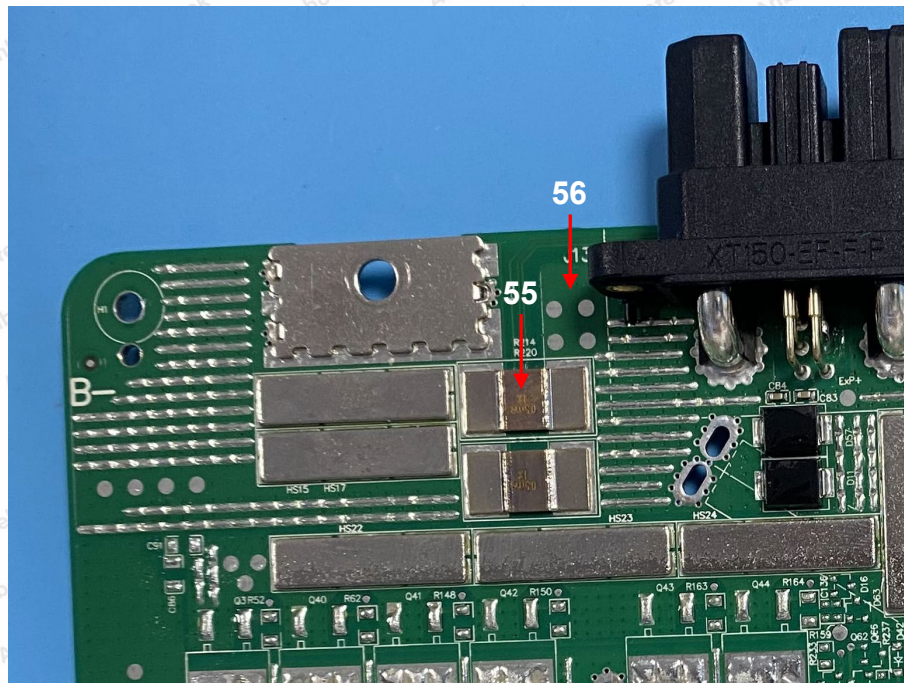
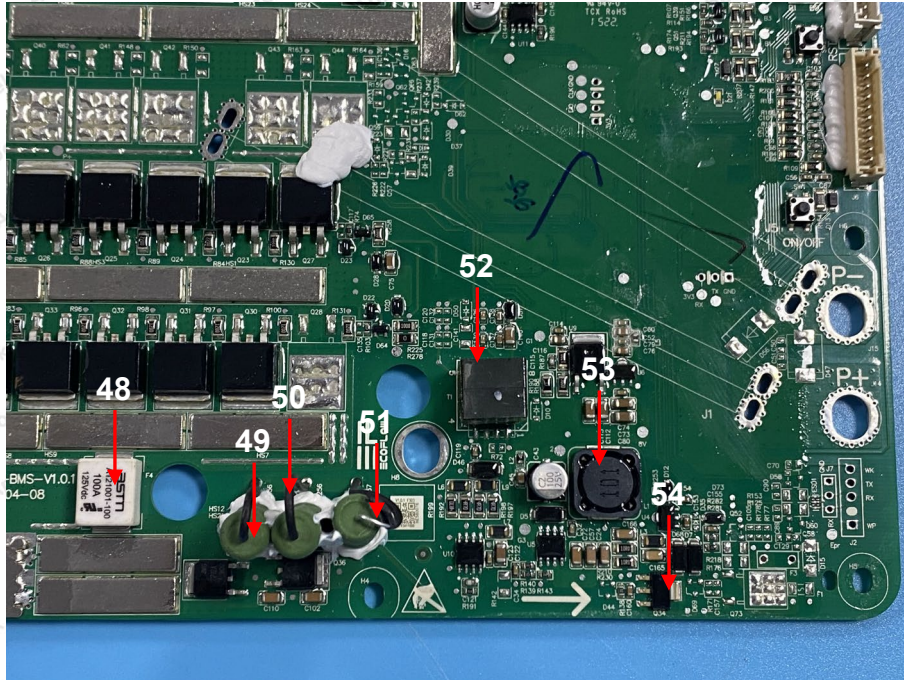


Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 32 of 35

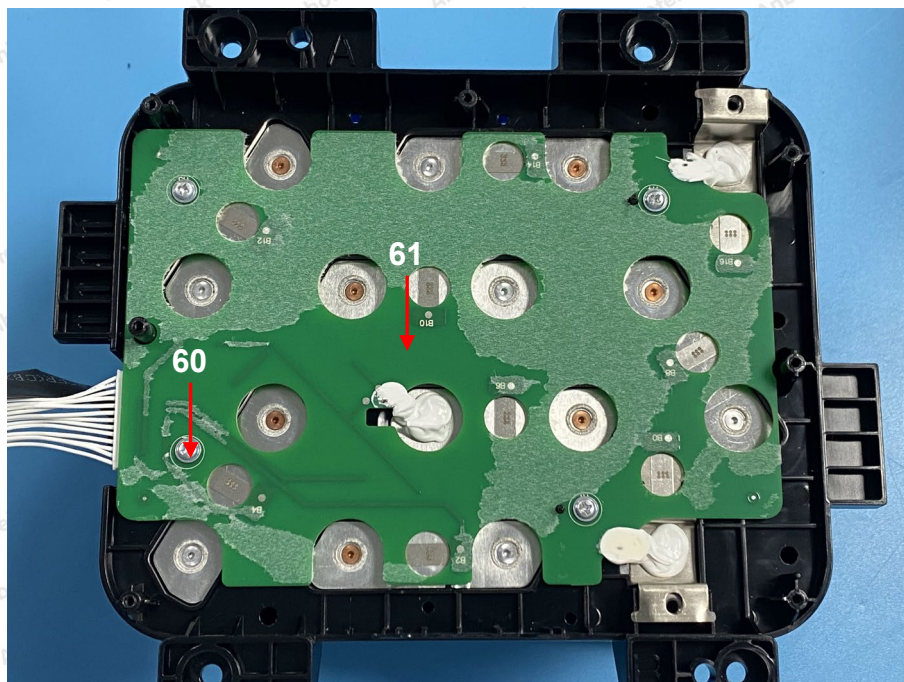
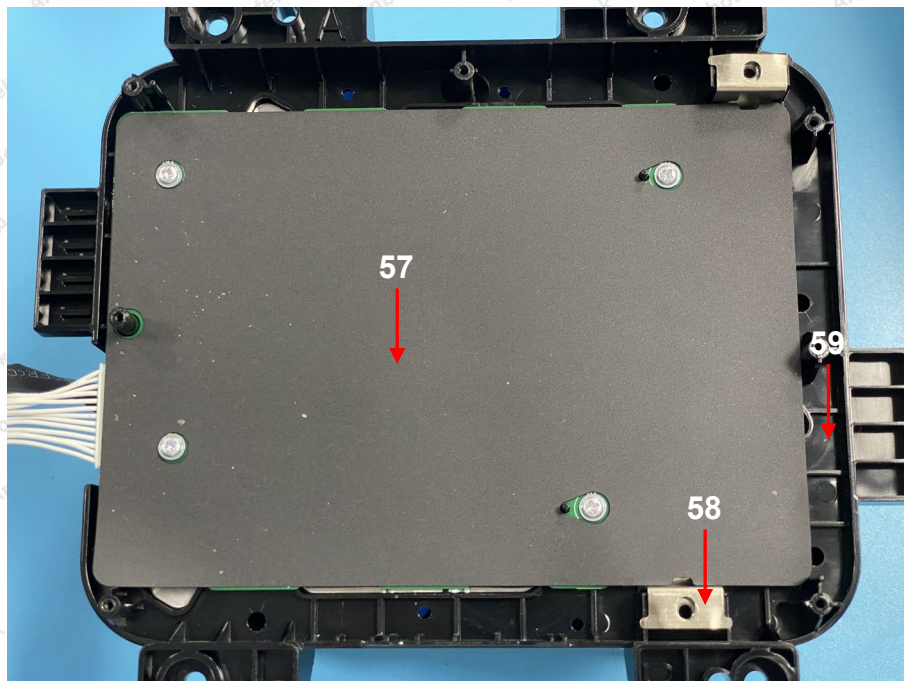


Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 33 of 35

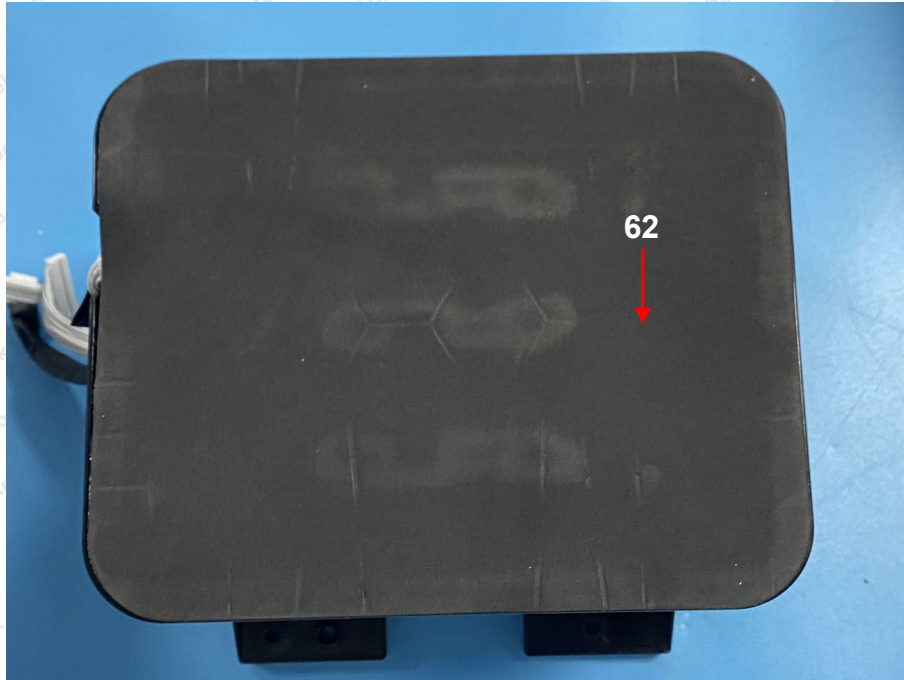


Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 34 of 35

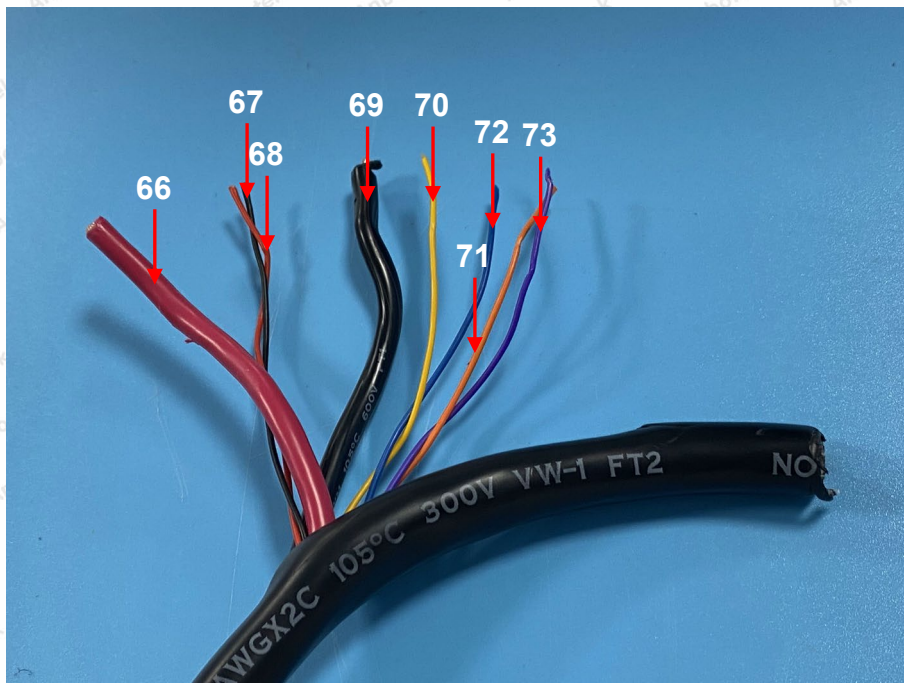


Test Report

Report No.: 18300RC20307201

Date: July 04, 2022

Page 35 of 35



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

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