

Test Report

No.: EDG2211250039C00801R

Date: Feb. 10, 2023

Page 1 of 8

Applicant : EcoFlow Inc.

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

Sample Name : Rechargeable Li-ion Battery Pack

Style/Item No. : EFKT210-EB

Received Date : Jan. 28, 2023

Test Period : Jan. 28, 2023 ~ Feb. 10, 2023

Test Requested : As requested by the client, according to the Part A in Annex I of the Regulation (EU) 2019/1021 on persistent organic pollutants (POPs), to determine the Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs) content in the submitted sample.

Test Results : Please refer to next page (s).

Executive Summary:

STANDARD

The Part A in Annex I of the Regulation (EU) 2019/1021 on persistent organic pollutants (POPs) – Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs) content

CONCLUSION

PASS

Prepared by:

Polly

Huang Fenglan, Polly
Report Engineer

Reviewed by:

Cindy

Zeng Xingji, Cindy
Supervisor

Signed for and on behalf of
EMTEK(Dongguan) Co., Ltd.

Approved by:

Li Wei

Li Wei, Lisa
Authorized signatory
Feb. 10, 2023

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Test Report

No.: EDG2211250039C00801R

Date: Feb. 10, 2023

Page 2 of 8

Test Results:

Test Method: To refer to the EN ISO 18219-1:2021, and the analysis were performed by GC-NCI-MS.

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	1	2+3	4+5		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	6+7+8	9+10	11+12		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	13+14+15	16+17+18	19+20+21		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	22+23+24	25+26+27	28+29+30		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	31+32+33	34+35+36	37+38+39		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	40+41+42	43+44+45	46+47+48		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

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Test Report

No.: EDG2211250039C00801R

Date: Feb. 10, 2023

Page 3 of 8

Test Results:

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	49+50+51	52+53+54	55+56+57		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	58+59+60	61+62+63	64+65+66		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	67+68	69+70	71+72		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

Test Item	Test Result (%)			MDL (%)	Requirement (%)
	73	74	75		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	ND	0.0050	0.15

Note: ND = Not Detected (less than MDL) MDL = Method Detection Limit 0.1%=1000mg/kg=1000ppm

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Test Report

No.: EDG2211250039C00801R

Date: Feb. 10, 2023

Page 4 of 8

Tested Materials:

Item No.	Description
1	Pewter coating on plastic (handle)
2	Black hard plastic (shell / button)
3	Black hard plastic (plug)
4	Black hard plastic (socket)
5	Black hard plastic (buckle of base)
6	Black soft plastic (shell)
7	Black soft plastic (dust cap)
8	Black soft plastic (plug)
9	Black soft plastic (gasket of plug)
10	Black soft plastic (electronic wire of plug)
11	White sticker with black printing (SN sticker)
12	Silver sticker with black / grey printing (sticker)
13	Transparent hard plastic (indicator, inner)
14	Beige hard plastic (terminal of PCB board, inner)
15	Grey hard plastic (base of magnet ring of PCB board, inner)
16	Black hard plastic (base of electrolytic capacitor of PCB board, inner)
17	Black hard plastic (button of PCB board, inner)
18	Dark grey hard plastic (TYPE-C socket of PCB board, inner)
19	Black hard plastic (USB socket of PCB board, inner)
20	Black hard plastic (TYPE-C / USB shell of PCB board, inner)
21	Yellow hard plastic (terminal of PCB board, inner)
22	Black hard plastic (terminal of PCB board, inner)
23	Black hard plastic (fixed part of battery, inner)
24	Black hard plastic with glue (battery, inner)
25	White hard plastic (gasket of battery, inner)
26	Blue hard plastic (gasket of battery, inner)

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Test Report

No.: EDG2211250039C00801R

Date: Feb. 10, 2023

Page 5 of 8

Item No.	Description
27	White soft plastic (frame, inner)
28	Black soft plastic (thin electronic wire of PCB board, inner)
29	Green soft plastic (thin electronic wire of PCB board, inner)
30	White soft plastic (thin electronic wire of PCB board, inner)
31	Blue soft plastic (thin electronic wire of PCB board, inner)
32	Red soft plastic (thin electronic wire of PCB board, inner)
33	Black soft plastic with white printing (jacket wire of thin electronic wire of PCB board, inner)
34	Black soft plastic (electronic wire of PCB board, inner)
35	Red soft plastic (electronic wire of PCB board, inner)
36	Black soft plastic (jacket wire of electronic wire of PCB board, inner)
37	Black soft plastic (stopper of electrolytic capacitor of PCB board, inner)
38	Black soft plastic (thick electronic wire of PCB board, inner)
39	Red soft plastic (thick electronic wire of PCB board, inner)
40	Red soft plastic (electronic wire of PCB board, inner)
41	Black soft plastic (electronic wire of PCB board, inner)
42	Blue soft plastic (electronic wire of PCB board, inner)
43	White soft plastic (electronic wire of PCB board, inner)
44	Green soft plastic (electronic wire of PCB board, inner)
45	Yellow soft plastic (electronic wire of PCB board, inner)
46	Black soft plastic with white printing (jacket wire of electronic wire of PCB board, inner)
47	Black soft plastic (electronic wire of battery, inner)
48	Black soft plastic (button of PCB board, inner)
49	Black soft plastic (TYPE-C / USB shell of PCB board, inner)
50	White soft plastic (handle, inner)
51	Black soft plastic (shell of electrolytic capacitor of PCB board, inner)
52	Black soft plastic (electronic wire of plug, inner)
53	Red soft plastic (electronic wire of plug, inner)

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Test Report

No.: EDG2211250039C00801R

Date: Feb. 10, 2023

Page 6 of 8

Item No.	Description
54	White soft plastic (electronic wire of plug, inner)
55	Green soft plastic (electronic wire of plug, inner)
56	Yellow soft plastic (electronic wire of plug, inner)
57	Grey soft plastic (electronic wire of plug, inner)
58	Blue soft plastic (electronic wire of plug, inner)
59	Purple soft plastic (electronic wire of plug, inner)
60	Green soft plastic with black printing (shell of battery, inner)
61	White soft plastic (gasket of battery, inner)
62	Brown transparent plastic film (battery, inner)
63	Brown transparent plastic film (transformer / magnet ring, inner)
64	Transparent plastic film (battery, inner)
65	Yellow transparent plastic film (battery, inner)
66	Brown transparent plastic film (battery, inner)
67	Black foam with glue (indicator, inner)
68	Black foam with glue (base of battery, inner)
69	White glue (PCB board, inner)
70	Black glue (magnet ring of PCB board, inner)
71	Grey glue (PCB board, inner)
72	White glue (plug, inner)
73	Green PCB (PCB board, inner)
74	White sticker with black printing (PCB board, inner)
75	Black electrolyte (battery, inner)

Note: As specified by the client, the samples were subjected to mixed testing.

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Test Report

No.: EDG2211250039C00801R

Date: Feb. 10, 2023

Page 7 of 8

Sample Photo



*** End of Report ***

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Test Report

No.: EDG2211250039C00801R

Date: Feb. 10, 2023

Page 8 of 8

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