

Test Report

No.: EDG2211250039C00901R

Date: Feb. 10, 2023

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Applicant : EcoFlow Inc.
Address : Plant A202, Founder Technology Industrial Park, Shiyan 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 Entry 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EU) No 1272/2013 & (EU) 2021/1199, to determine the contents of the regulated PAHs in the submitted sample.
Test Results : Please refer to next page (s).

Executive Summary:

STANDARD

CONCLUSION

Entry 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EU) No 1272/2013 & (EU) 2021/1199 – PAHs Requirement

PASS

Prepared by:

Polly

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Reviewed by:

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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 Results:

Test Method: To refer to AfPS GS 2019:01 PAK, the analysis was performed by GC-MS.

Test Item	CAS Number	Test Result(mg/kg)			MDL (mg/kg)
		1+2	3+4	5+6+7	
Benzo[a]pyrene(BaP)	50-32-8	ND	ND	ND	0.1
Benzo[e]pyrene(BeP)	192-97-2	ND	ND	ND	0.1
Benzo[a]anthracene(BaA)	56-55-3	ND	ND	ND	0.1
Chrysen(CHR)	218-01-9	ND	ND	ND	0.1
Benzo[b]fluoranthene(BbFA)	205-99-2	ND	ND	ND	0.1
Benzo[j]fluoranthene(BjFA)	205-82-3	ND	ND	ND	0.1
Benzo[k]fluoranthene(BkFA)	207-08-9	ND	ND	ND	0.1
Dibenzo[a,h]anthracene(DBAhA)	53-70-3	ND	ND	ND	0.1

Test Item	CAS Number	Test Result(mg/kg)		MDL (mg/kg)
		8+9	10+11	
Benzo[a]pyrene(BaP)	50-32-8	ND	ND	0.1
Benzo[e]pyrene(BeP)	192-97-2	ND	ND	0.1
Benzo[a]anthracene(BaA)	56-55-3	ND	ND	0.1
Chrysen(CHR)	218-01-9	ND	ND	0.1
Benzo[b]fluoranthene(BbFA)	205-99-2	ND	ND	0.1
Benzo[j]fluoranthene(BjFA)	205-82-3	ND	ND	0.1
Benzo[k]fluoranthene(BkFA)	207-08-9	ND	ND	0.1
Dibenzo[a,h]anthracene(DBAhA)	53-70-3	ND	ND	0.1

Note: mg/kg = part per million = ppm

ND = Not Detected (less than MDL)

MDL = Method Detection Limit

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Remark: The requirements are quoted from the entries 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EU) No 1272/2013 & (EU) 2021/1199 about PAHs contents as below:

Materials	Timeline	Requirement (mg/kg)
Extender oils, tyres and treads contain extender oils	Commencing on January 1, 2010	1 mg/kg of BaP, 10 mg/kg of the sum of the listed PAHs
Rubber or plastic components from articles for supply to the general public, come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Commencing on December 27, 2015	1 mg/kg of any of the listed PAHs
Rubber or plastic components from toys, including activity toys and childcare articles, come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Commencing on December 27, 2015	0.5 mg/kg of any of the listed PAHs

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Tested Materials:

Item No.	Description
1	Black hard plastic (shell / button)
2	Black hard plastic (plug)
3	Black hard plastic (socket)
4	Black hard plastic (buckle of base)
5	Black soft plastic (shell)
6	Black soft plastic (dust cap)
7	Black soft plastic (plug)
8	Black soft plastic (gasket of plug)
9	Black soft plastic (electronic wire of plug)
10	White sticker with black printing (SN sticker)
11	Silver sticker with black / grey printing (sticker)

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

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Sample Photo



*** End of Report ***

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