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Applicant: Zendure USA Inc.

Address: 1765 E BAYSHORE RD # 201 EAST PALO ALTO, CA 94303-5501

The following sample(s) and sample information was/were submitted and identified by client as:

Item Name: Add-on Battery AB1000

Model: ZDAB1000

Manufacturer ZENDURE TECHNOLOGY CO., LIMITED

Manufacturer Address: RM 517, NEW CITY CENTRE, 2 LEI YUE MUN ROAD, KWUN TONG, KOWLOON.HK

Brand: ZENDURE

Receiving Date: 3-Apr-2023

Test Period: 3-Apr-2023 - 10-Apr-2023

Add Information: -

Test Summary:

#	Test Item(s)	Reference Standard/Method	Result
1	Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, DBP, BBP, DEHP and DIBP EU RoHS Directive 2011/65/EU and its amendment directives (EU) 2015/863 (RoHS)	IEC 62321-3-1:2013 IEC 62321-4:2013+A1:2017 IEC 62321-5:2013 IEC 62321-6:2015 IEC 62321-7-1:2015 IEC 62321-7-2:2017 IEC 62321-8:2017	PASS

Signed for and on behalf of ST

Mark Mai (Technical Director)

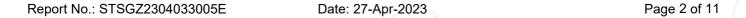
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Result:

1.1 EU RoHS Directive 2011/65/EU and its amendment directives on XRF IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

Seq. No.	Tested Part(s)	Results				
Seq. No.	rested Part(s)	Pb		Hg	Cr	Br
1	Black coating,shell	BL	BL	BL	BL	BL
2	Black plated silvery metal,screw	BL	BL	BL	Х	NA
3	Silvery metal,holder	BL	BL	BL	BL	NA
4	Golden metal,holder	BL	BL	BL	BL	NA
5	Black plastic,shell	BL	BL	BL	BL	BL
6	Black soft plastic,cushion	BL	BL	BL	BL	BL
7	Silvery coating,shell	BL	BL	BL	BL	BL
8	Black soft plastic,wire jacket	BL	BL	BL	BL	BL
9	Red soft plastic,wire jacket	BL	BL	BL	BL	BL
10	Yellow soft plastic,wire jacket	BL	BL	BL	BL	BL
11	Grey soft plastic,wire jacket	BL	BL	BL	BL	BL
12	Blue soft plastic,wire jacket		BL	BL	BL	BL
13	White printed black soft plastic,wire jacket	BL	BL	BL	BL	BL
14	White printed red soft plastic,wire jacket	BL	BL	BL	BL	BL
15	White printed black plastic, cover	BL	BL	BL	BL	BL
16	Coppery metal,plate	BL	BL	BL	BL	NA
17	Golden metal,axle	Х	BL	BL	BL	NA
18	Black printed silvery metal,cover	BL	BL	BL	BL	NA
19	Brown body,capacitor	BL	BL	BL	BL	BL
20	Black body,resistor	BL	BL	BL	BL	BL
21	Silvery metal,solder	BL	BL	BL	BL	NA
22	Green PCB	BL	BL	BL	BL	Х
23	White textile,cover	BL	BL	BL	BL	BL
24	Black soft plastic,wire cover (thick)	BL	BL	BL	BL	BL

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25	Dark blue soft plastic,wire jacket	BL	BL	BL	BL	BL
26	Brown soft plastic,wire jacket	BL	BL	BL	BL	BL
27	Green soft plastic,wire jacket	BL	BL	BL	BL	BL
28	White soft plastic,wire jacket	BL	BL	BL	BL	BL
29	Golden metal,contact pin	Х	BL	BL	BL	NA
30	Black foam,cushion	BL	BL	BL	BL	BL

Remark:

(1) Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ< X <130+3σ≤OL	BL≤70-3σ< X <130+3σ≤OL	BL≤50-3σ< X <150+3σ≤OL
Pb	mg/kg	BL≤700-3σ< X <1300+3σ≤OL	BL≤700-3σ< X <1300+3σ≤ OL	BL≤500-3σ< X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ< X <1300+3σ≤OL	BL≤700-3σ< X <1300+3σ≤OL	BL≤500-3σ< X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ< X	BL≤700-3σ< X	BL≤500-3σ< X
Br	mg/kg	BL≤300-3σ< X		BL≤250-3σ< X

Note:

BL = Below Limit

OL = Over Limit

X = Inconclusive

NA = Not Applicable

- (2) The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- (3) The maximum permissible limit is quoted from the document 2011/65/EU and its amendment directives (EU) 2015/863:

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)

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Cadmium (Cd)	100
Lead (Pb)	1000
Mercury (Hg)	1000
Hexavalent Chromium (Cr(VI))	1000
Polybrominated biphenyls (PBBs)	1000
Polybrominated diphenyl ethers (PBDEs)	1000

(4) Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes. The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect(e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

(5) The selection of test portions was recommended by the client and the conclusion of chemical test is only for the selected portions.

1.2 Hexavalent Chromium (Cr(VI))

Metal: IEC 62321-7-1:2015, extracted by boiling water and analyzed by UV-Vis Non-metal: IEC 62321-7-2:2017, alkaline digested and analyzed by UV-Vis

	Commonad	Material	Limit	DI
	Compound	2	Limit	RL
1	Hexavalent Chromium (Cr(VI))	Negative	#	-
	Conclusion	PASS	-	-

Remark(s) (a) ug/cm²: microgram per square centimeter

(b) RL: Report Limit

(c) Negative = Sample Cr(VI) concentration is less than 0.10 ug/cm²

Positive = Sample Cr(VI) concentration is greater than 0.13 ug/cm²
(d) # = Positive indicates the presence of Cr(VI) on the tested areas and result be regarded as conflict with RoHS requirement.

Negative indicates the absence of Cr(VI) on the tested areas and result be regarded as no conflict with RoHS requirement.

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Guangzhou Depuhua Test Services Co. Ltd.

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1.3 Lead Content (Pb)

IEC62321-5:2013, acid digested and determined by AAS

	Compound	Mate	Limit	RL	
	Compound	17	29	(mg/kg)	(mg/kg)
1	Lead (Pb)	19447	21375	1000	10
	Conclusion	PASS*	PASS*	-	-

(a) * = Copper alloy containing up to 4% lead by weight

(b) mg/kg: milligrams per kilogram (c) RL: Report limit

(d) N.D.: Not detected (result is less than RL)

Polybrominated Biphenyls and Polybrominated Diphenyl Ethers (PBBs and PBDEs) IEC 62321-6:2015, solvent extract and determined by GC/MS

Compound		Material	Limit	RL (mg/kg)	
		22	(mg/kg)		
1	Monobromo biphenyl	N.D.	-	50	
2	Dibromo biphenyl	N.D.	-	50	
3	Tribromo biphenyl	N.D.	-	50	
4	Tetrabromo biphenyl	N.D.	-	50	
5	Pentabromo biphenyl	N.D.	-	50	
6	Hexabromo biphenyl	N.D.	_	50	
7	Heptabromo biphenyl	N.D.		50	
8	Octabromo biphenyl	N.D.	-	50	
9	Nonabromo biphenyl	N.D.	-	50	
10	Decabromo biphenyl	N.D.	- /	50	
11	Monobromo diphenyl ether	N.D.	- (50	
12	Dibromo diphenyl ether	N.D.	-	50	
13	Tribromo diphenyl ether	N.D.	-	50	

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14	Tetrabromo diphenyl ether	N.D.	-	50
15	Pentabromo diphenyl ether	N.D.		50
16	Hexabromo diphenyl ether	N.D.	-	50
17	Heptabromo diphenyl ether	N.D.	-	50
18	Octabromo diphenyl ether	N.D.	-	50
19	Nonabromo diphenyl ether	N.D.	-	50
20	Decabromo diphenyl ether	N.D.	-	50
21	Sum of PBBs	N.D.	1000	-
22	Sum of PBDEs	N.D.	1000	-
	Conclusion	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram (b) RL: Report limit

(c) N.D.: Not detected (result is less than RL)

Phthalates - (DBP, BBP, DEHP, DIBP)

IEC 62321-8:2017, Solvent extract and determined by GC/MS

	Compound		Material				Limit (%)	DI (9/)
			1 5 7 6+8		6+8	LIIIII (76)	RL(%)	
1	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	0.1	0.005
	Conclusion		PASS	PASS	PASS	PASS	-	-

Compound		anaund		Limit (9/)	DI (9/)			
		9+10+11	12+13+14	15	19+20	Limit (%)	RL(%)	
1	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	0.0112	N.D.	N.D.	0.1	0.005

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	Conclusion		PASS	PASS	PASS	PASS	-	-
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005

	Co		Material				Limit (0/)	DL (0/)
	Compound		22	23	24+25+26	27+28	Limit (%)	RL(%)
1	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	0.1	0.005
	Conclusion		PASS	PASS	PASS	PASS	-	-

Compound			Material	Limit (%)	RL(%)
			30		
1	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	0.1	0.005
2	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	0.1	0.005
3	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	0.1	0.005
	Conclusion		PASS	-	-

Remark(s): (a) RL: Report limit (b) N.D.: Not detected (result is less than RL)

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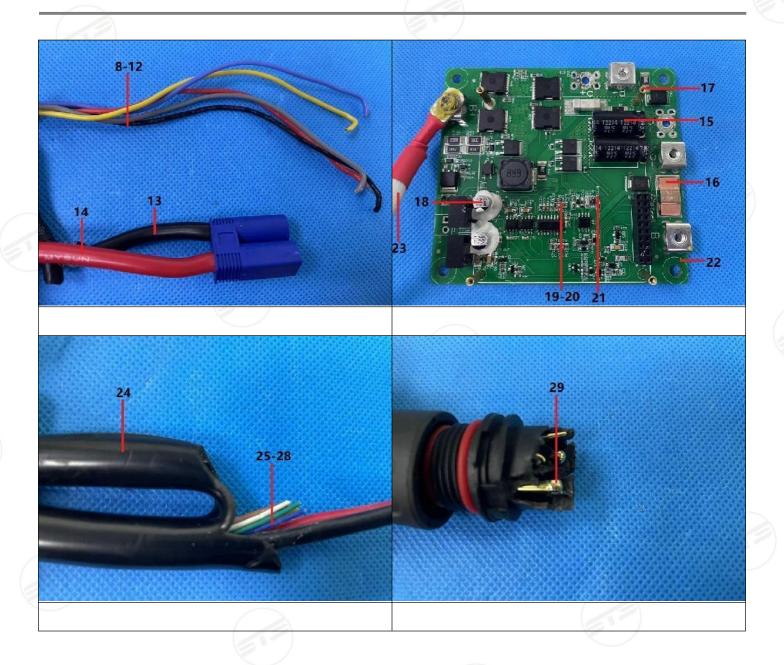
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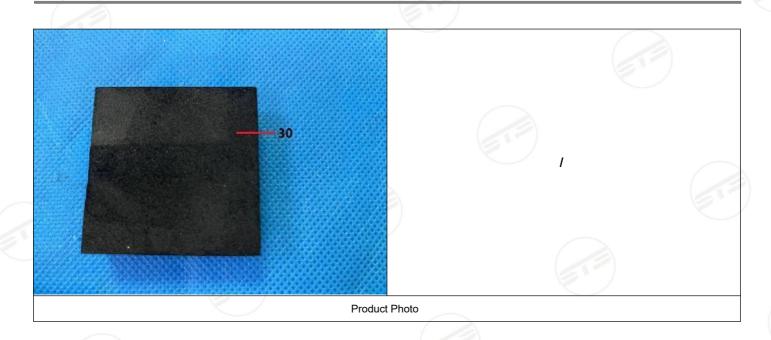
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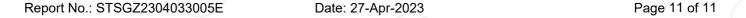
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