

TEST REPORT

<u>APPLICANT</u>	: Xindao B.V.
<u>ADDRESS</u>	: P.O.Box 3082,2280 GB,Rijswijk, The Netherlands
<u>SAMPLE DESCRIPTION</u>	: Dobble 2 way charger
<u>ITEM NO.</u>	: P324.30
<u>COUNTRY OF ORIGIN</u>	: China
<u>COUNTRY OF DESTINATION</u>	: Europe
<u>SAMPLE RECEIVED DATE</u>	: 11-Aug-2015
<u>SAMPLE RESUBMISSION DATE</u>	: 26-Aug-2015
<u>TURN AROUND TIME</u>	: 26-Aug-2015 to 28-Aug-2015, 3 Working Days
<u>TEST SPECIFICATION</u>	: EC Directive 2011/65/EU —The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — (RoHS)
<u>CONCLUSION</u>	: Based on the analysis on the submitted sample(s), the test results do comply with the RoHS directive 2011/65/EU.

The following test item(s) was/were performed on selected sample(s) and/or component(s) appointed by applicant.

Eurofins (Shanghai) contact information

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***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

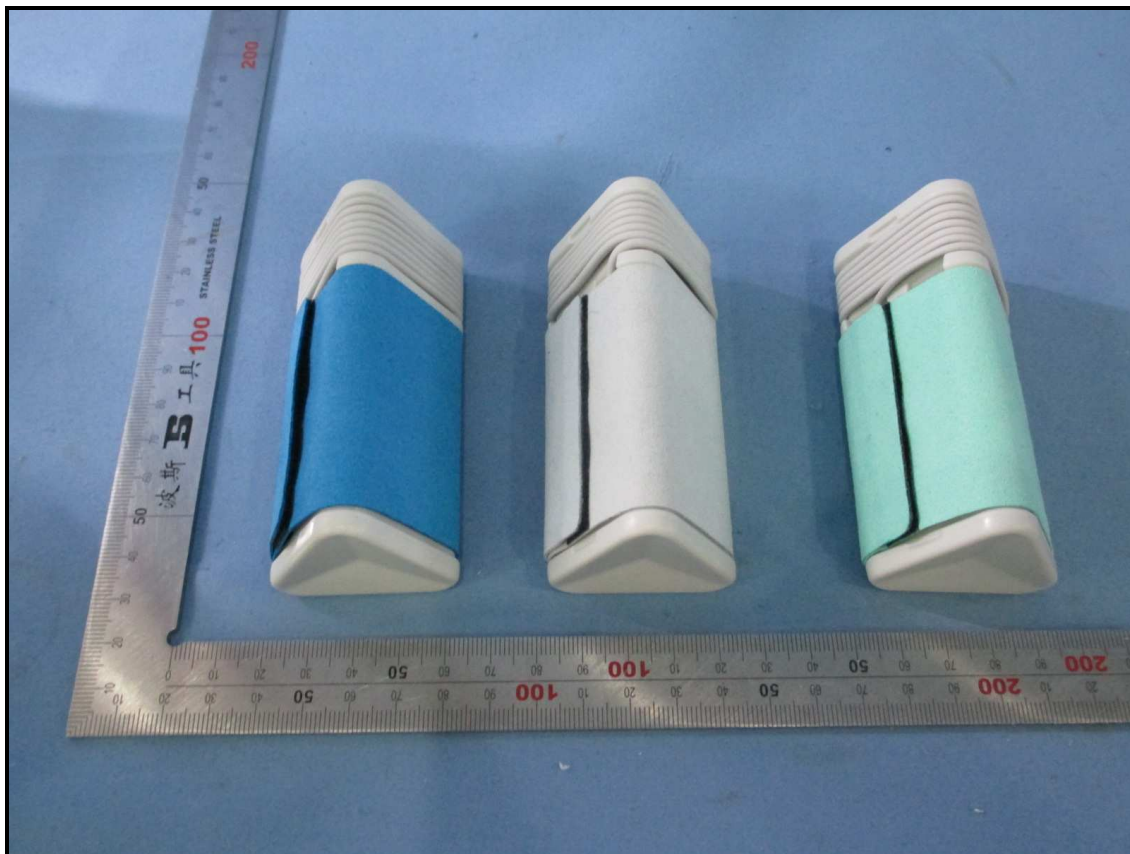
Signed for and on behalf of
Eurofins Product Testing Service (Shanghai) Co., Ltd



Terric Ji
Lab Manager

Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to SH.info@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd.

SAMPLE PHOTO



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TO BE CONTINUED

COMPONENT PHOTO(S)



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COMPONENT PHOTO(S)



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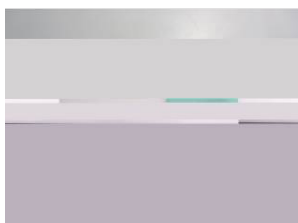
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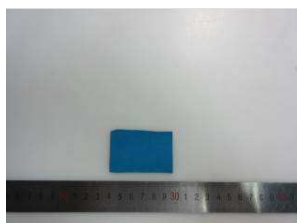
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TO BE CONTINUED

TEST RESULT

A. Screening Test by XRF Spectroscopy

As specified by client, to analyze the contents of Lead, Cadmium, Mercury, Chromium, Bromine in the submitted sample by XRF. Screening limits in mg/kg for regulated elements in various matrices according to IEC 62321-3-1:2013 Ed.1

No.	Component	Test Results (mg/kg)				
		Cd	Pb	Hg	Cr	Br
		Limit (mg/kg)				
		100	1000	1000	Cr(VI):1000	PBB:1000 PBDE:1000
1	Grey plastic shell	ND	ND	ND	ND	ND
2	Silver paster	ND	ND	ND	250	ND
3	Yellow solid glue	ND	ND	ND	310	ND
4	White rubber sheath	ND	ND	ND	280	ND
5	Ivory rubber sheath	ND	ND	ND	150	ND
6	Grey rubber wire sheath	ND	ND	ND	584	ND
7	White rubber wire sheath	ND	ND	ND	575	ND
8	Grey metal electronic component	ND	ND	ND	NC	NA
9	Black electronic component 1	ND	ND	ND	474	NC
10	Black electronic component 2	ND	ND	ND	168	ND
11	Circuit board 1	ND	ND	ND	104	NC
12	Silver metal wire	16	117	ND	NC	NA
13	Copper metal wire	ND	ND	ND	NC	NA
14	Silver metal screw	ND	124	ND	NC	NA
15	Silver metal sheet	ND	ND	ND	NC	NA
16	Circuit board 2	11	ND	ND	ND	NC
17	Soldering tin	ND	ND	ND	NC	NA
18	White rubber block 1	ND	ND	ND	ND	ND
19	Silver metal pin of plug 1	ND	ND	ND	NC	NA
20	White rubber block 2	ND	ND	ND	ND	NC
21	Silver metal pin of plug 2	ND	ND	ND	NC	NA
22	Green fabric	ND	ND	ND	ND	ND
23	Blue fabric	ND	ND	ND	104	ND
24	Grey fabric	ND	ND	ND	ND	ND
25	White plastic block	ND	ND	ND	ND	ND
26	White solid glue	ND	ND	ND	ND	ND
27	Black rubber block	ND	ND	ND	141	ND
28	Black foam	ND	ND	ND	371	ND

TO BE CONTINUED

TEST RESULT

Abbreviation:	Pb	denotes Lead
	Cd	denotes Cadmium
	Hg	denotes Mercury
	Cr	denotes Chromium
	Cr(VI)	denotes Chromium(VI)
	Br	denotes Bromine
	PBBs	denotes Total Polybrominated Biphenyls
	PBDEs	denotes Total Polybrominated Diphenyl Ethers
	NA	denotes Not Applicable
	ND	denotes Not Detected (Cd<10mg/kg, Pb/ Hg/ Cr<100mg/kg, Br<300mg/kg)
	NC	denotes Not Conclusive

XRF Screening limits for different materials:

Element	Polymers	Metals	Composite Material
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	/	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

Note:

BL= Below limit

X = The region where further investigation is necessary

OL = Over limit

3σ = The repeatability of the analyzer at the action level

LOD = Limit of detection

XRF testing results are only used for reference.

TO BE CONTINUED

TEST RESULT

B. Confirmation Test by Wet Chemistry

Tested Item(s)	Test Method	Measured Equipment	MDL
Lead (Pb) /Cadmium (Cd)	IEC 62321-5:2013 Ed.1	ICP-OES	2 mg/kg
Mercury (Hg)	IEC 62321-4:2013 Ed.1	ICP-OES	2 mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis	/
	IEC 62321:2008 Ed.1 Annex C		2 mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015 Ed.1	GC-MS	50 mg/kg
Polybrominated DiphenylEthers (PBDEs)			

Component No.	Spot test for Cr(VI) (*1)	Boiling-water-extraction for Cr(VI) (*1)
8	-	Negative
12	-	Negative
13	-	Negative
14	-	Negative
15	-	Negative
17	-	Negative
19	-	Negative
21	-	Negative

Remark:

(*1) The screening result of Chromium(VI) was found in the inconclusive region, Thus the Chromium(VI) content in surface layer have been confirmed with reference to IEC 62321.

Component No.	Test Results (mg/kg)					
	Cd	Pb	Hg	Cr (VI)	PBBs	PBDEs
	Limit (mg/kg)					
	100	1000	1000	1000	1000	1000
9	-	-	-	-	ND	ND
11	-	-	-	-	ND	ND
16	-	-	-	-	ND	ND
20	-	-	-	-	ND	ND

Note:

The sample had been dissolved totally tested for Lead, Cadmium, Mercury.

MDL = method detection limit

ND = not detected (<MDL)

mg/kg = milligram per kilogram

*** END OF THE REPORT ***