

TEST REPORT

<u>APPLICANT</u>	: Xindao B.V.
<u>ADDRESS</u>	: P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
<u>SAMPLE DESCRIPTION</u>	: Running holder with LED
<u>ITEM NO.</u>	: P320.30
<u>COUNTRY OF ORIGIN</u>	: China
<u>COUNTRY OF DESTINATION</u>	: Europe
<u>SAMPLE RECEIVED DATE</u>	: 23-Apr-2015
<u>TURN AROUND TIME</u>	: 23-Apr-2015 to 04-May-2015
<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. Hangzhou Branch



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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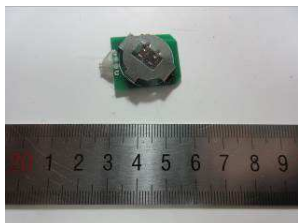


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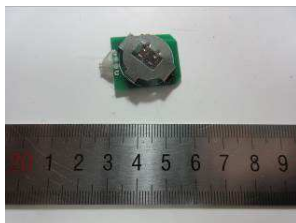
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TO BE CONTINUED

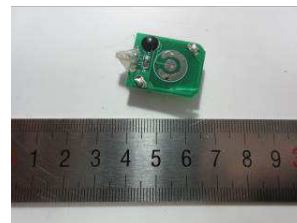
COMPONENT PHOTO(S)



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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	Black plastic block	ND	ND	ND	ND	ND
2	Black plastic sheet	ND	ND	ND	572	ND
3	Black fabric 1	ND	ND	ND	431	ND
4	Black fabric 2	ND	ND	ND	458	ND
5	Transparent rubber	ND	ND	ND	152	ND
6	Black leatheroid	ND	ND	ND	ND	ND
7	Fluorescence green plastic sheet	ND	ND	ND	ND	ND
8	Black fabric 3	ND	ND	ND	132	ND
9	Black foam	ND	ND	ND	138	ND
10	Silver metal sheet 1	ND	193	ND	NC	NA
11	White non-metal sheet	ND	ND	ND	151	NC
12	Yellow LED lamp	ND	ND	ND	ND	NC
13	Transparent rubber wire sheath	ND	ND	ND	659	ND
14	Silver metal wire	ND	ND	ND	NC	NA
15	Copper metal wire	ND	ND	ND	NC	NA
16	Silver metal sheet 2	ND	ND	ND	NC	NA
17	White solid gum	ND	ND	ND	155	NC
18	Circuit board	ND	ND	ND	ND	NC
19	Soldering tin	ND	ND	ND	NC	NA

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
N.A.	denotes Not Applicable
N.D.	denotes Not Detected (Nonmetal<10mg/kg,Metal<50mg/kg)
N.C.	denotes Not Conclusive

TO BE CONTINUED

TEST RESULT

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 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg
Polybrominated DiphenylEthers (PBDEs)			

Component No.	Spot test for Cr(VI) (*1)	Boiling-water-extraction for Cr(VI) (*1)
10	Negative	-
14	Negative	-
15	Negative	-
16	Negative	-
19	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
11	-	-	-	-	ND	ND
12	-	-	-	-	ND	ND
17	-	-	-	-	ND	ND
18	-	-	-	-	ND	ND

Note:

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

MDL = method detection limit -ND = not detected (<MDL)

mg/kg = ppm = parts per million

*** END OF THE REPORT ***