

TEST REPORT

APPLICANT	:	Xindao B.V.
ADDRESS	:	P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
SAMPLE DESCRIPTION	:	Cloud hub
ITEM NO.	:	P308.30
COUNTRY OF ORIGIN	:	China
COUNTRY OF DESTINATION	:	Europe
SAMPLE RECEIVED DATE	:	04-Jan-2017
TURN AROUND TIME	:	04-Jan-2017 to 16-Jan-2017
TEST SPECIFICATION	:	EC Directive 2011/65/EU —The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — (RoHS)
CONCLUSION	:	Based on the analysis on the submitted sample(s), the test results do comply with the RoHS directive 2011/65/EU.

Eurofins (Shanghai) contact information Customer service: <u>MyrnaChen@eurofins.com</u> / 021-61819169 Sales specialist: <u>WandyShen@eurofins.com</u> / 18616155723

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

egr lar

Joyce Liu 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 <u>info.sh@eurofins.com</u> 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. If you happen to have any complaints, please do it by sending email to <u>chinacomplaint@eurofins.com</u> and referring to this report number.



Report No. : EFSH16122182-CG-01 Date : 16-Jan-2017 Page : 2 of 5

SAMPLE PHOTO



EFSH16122182-CG-01

TO BE CONTINUED



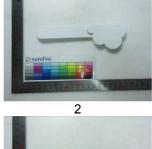
Report No.	: EFSH16122182-CG-01
Date	: 16-Jan-2017
Page	: 3 of 5



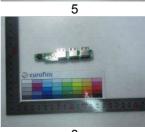


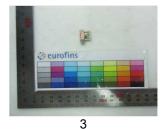


COMPONENT PHOTO(S)













8

EFSH16122182-CG-01

TO BE CONTINUED

Eurofins Product Testing Service (Shanghai) Co., Ltd No.395 West Jiangchang Road, Jing'an District, Shanghai, China



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

		Test Results (mg/kg)				
		Cd	Pb	Hg	Cr	Br
No.	Component	Limit (mg/kg)				
		100	1000	1000	Cr(VI):	PBB:1000
					1000	PBDE:1000
1	Blue plastic block	ND	ND	ND	ND	ND
2	White plastic block	ND	ND	ND	ND	ND
3	Ivory plastic block	ND	ND	ND	ND	ND
4	Silver metal strip	ND	ND	ND	NC	NA
5	Silver metal block	ND	ND	ND	NC	NA
6	Transparent glue	ND	ND	ND	ND	ND
7	Black material	ND	ND	ND	ND	NC
8	Circuit board	ND	ND	ND	ND	NC
9	Silver metal soldering tin	21	ND	ND	NC	NA

denotes Lead
denotes Cadmium
denotes Mercury
denotes Chromium
) denotes Chromium(VI)
denotes Bromine
denotes Total Polybrominated Biphenyls
Es denotes Total Polybrominated Diphenyl Ethers
denotes Not Applicable
denotes Not Detected (Cd<10mg/kg, Pb/ Hg/ Cr<100mg/kg, Br<300mg/kg)
denotes Not Conclusive

XRF Screening limits for different materials:

Element	Polymers	Metals	Composite Material
Cd	BL ≤(70-3σ) <x <<br="">(130+3σ) ≤ OL</x>	BL ≤ (70-3σ) < X < (130+3σ) ≤OL	LOD <x< (150+3σ)="" td="" ≤ol<=""></x<>
Pb	BL ≤ (700-3σ) <x <<br="">(1300+3σ) ≤OL</x>	BL ≤ (700-3σ) < X < (1300+3σ) ≤ OL	BL ≤ (500-3σ) < X < (1500+3σ) ≤ OL
Hg	BL ≤ (700-3σ) < X < (1300+3σ) ≤ OL	BL ≤ (700-3σ) < X < (1300+3σ) ≤ OL	BL ≤ (500-3σ) <x <<br="">(1500+3σ) ≤OL</x>
Br	BL ≤(300-3σ) < X	/	BL ≤ (250-3σ) < X
Cr	BL ≤ (700-3σ) <x< td=""><td>BL ≤ (700-3σ) <i>≤</i>X</td><td>BL≤(500-3σ) <x< td=""></x<></td></x<>	BL ≤ (700-3σ) <i>≤</i> X	BL≤(500-3σ) <x< td=""></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

Eurofins Product Testing Service (Shanghai) Co., Ltd No.395 West Jiangchang Road, Jing'an District, Shanghai, China



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 62321-7-1:2015 Ed.1	UV-Vis	0.01µg/cm ²
	IEC 62321:2008 Ed.1 Annex C	00-015	2 mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6: 2015 Ed.1	GC-MS	50 mg/kg
Polybrominated DiphenylEthers (PBDEs)	120 02021 0. 2010 Ed.1		oo mg/kg

Component No.	Boiling-water-extraction for Cr(VI) (*1)		
4	Negative		
5	Negative		
9	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 62321-7-1:2015. Negative - The Cr(VI) concentration is below 0.10µg/cm². The coating is considered a non-Cr(VI) based coating.

		Test Results (mg/kg)					
Component No.	Cd	Pb	Hg	Cr (VI)	PBBs	PBDEs	
Component No.	Limit (mg/kg)						
	100	1000	1000	1000	1000	1000	
7	-	-	-	-	ND	ND	
8	-	-	-	-	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 µg/cm²= micrograms per square

*** END OF THE REPORT ***