

# TEST REPORT

<b><u>APPLICANT</u></b>	: Xindao B.V.
<b><u>ADDRESS</u></b>	: P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
<b><u>SAMPLE DESCRIPTION</u></b>	: Urban commuting backpack, Power USB output backpack
<b><u>ITEM NO.</u></b>	: P705.55, P732.06
<b><u>COUNTRY OF ORIGIN</u></b>	: China
<b><u>COUNTRY OF DESTINATION</u></b>	: Europe
<b><u>SAMPLE RECEIVED DATE</u></b>	: 04-Jul-2016
<b><u>TURN AROUND TIME</u></b>	: 04-Jul-2016 to 13-Jul-2016
<b><u>TEST SPECIFICATION</u></b>	: EC Directive 2011/65/EU —The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — (RoHS)
<b><u>CONCLUSION</u></b>	: Based on the analysis on the submitted sample(s), the test results do comply with the RoHS directive 2011/65/EU.

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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



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Terric Ji  
Lab Manager

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**SAMPLE PHOTO**



**EFSH16062598-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT PHOTO(S)



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# EFSH16062598-CG-01

\*\*\*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	White plastic block 1	ND	ND	ND	ND	ND
3	White plastic block 2	ND	ND	ND	ND	NC
4	Black rubber block	ND	ND	ND	ND	ND
5	Black rubber wire sheath 1	ND	ND	ND	111	ND
6	Red rubber wire sheath	ND	ND	ND	409	ND
7	Black rubber wire sheath 2	ND	ND	ND	422	ND
8	Green rubber wire sheath	ND	ND	ND	438	ND
9	White rubber wire sheath	ND	ND	ND	464	ND
10	Copper metal wire	ND	ND	ND	NC	NA
11	Silver metal wire	ND	ND	ND	NC	NA
12	Silver metal block 1	ND	ND	ND	NC	NA
13	Silver metal block 2	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
	NA	denotes Not Applicable
	ND	denotes Not Detected (Cd<10mg/kg, Pb/ Hg/ Cr<100mg/kg, Br<300mg/kg)
	NC	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.

**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	0.01 μg/cm <sup>2</sup>
	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.	Boiling-water-extraction for Cr(VI) (*1)
10	Negative
11	Negative
12	Negative
13	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 0.10 μg/cm<sup>2</sup>. The coating is considered a non-Cr(VI) based coating.

\*\*\*TO BE CONTINUED\*\*\*

## **TEST RESULT**

Component No.	Test Results (mg/kg)					
	Cd	Pb	Hg	Cr (VI)	PBBs	PBDEs
	Limit (mg/kg)					
	100	1000	1000	1000	1000	1000
3	-	-	-	-	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

$\mu\text{g}/\text{cm}^2$  = micrograms per square

\*\*\* END OF THE REPORT \*\*\*