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TEST REPORT

APPLICANT : Xindao B.V.

ADDRESS : P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands

SAMPLE DESCRIPTION : Swiss Peak 15" minimalist USB laptop backpack PVC free

REFERENCE SAMPLE DESCRIPTION : Solar panel power hiking backpack

<u>ITEM NO.</u> : P762.37

REFERENCE ITEM NO. : P762.38

COUNTRY OF ORIGIN : China

COUNTRY OF DESTINATION : Europe

SAMPLE RECEIVED DATE : 04-Sep-2018

TURN AROUND TIME : 04-Sep-2018 to 11-Sep-2018

TEST SPECIFICATION : Total concentration of Lead, Cadmium, Mercury, Chromium

VI, Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) in Electrical and Electronic Equipment in accordance with EC Directive 2011/65/EU

(RoHS)

CONCLUSION : Based on the analysis on the submitted sample(s), the test

results do comply with the concentration limits as specified in

Annex II to Directive 2011/65/EU.

Note: The reference sample(s) / item(s) has not been tested in current report, but according to applicant's request, the description / item number has also been included.

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

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



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

Joyce Liu

Lab Manager



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TEST SAMPLE PHOTO



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REFERENCE SAMPLE PHOTO



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Note: The reference sample(s) has not been tested in current report, but according to customer's request, the picture has also been included. For sample tested in current report, please refer to "Test sample photo"



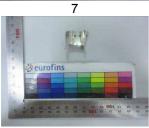
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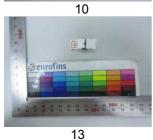
COMPONENT PHOTO(S)



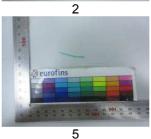






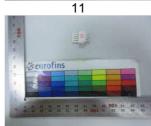






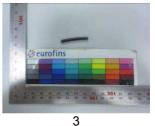


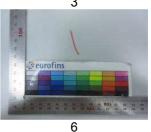




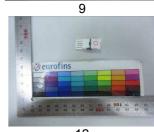


TO BE CONTINUED













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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	Black rubber block 1	17	ND	ND	ND	ND
2	Black rubber block 2	24	ND	ND	ND	ND
3	Black rubber wire cover	ND	ND	ND	ND	ND
4	Grey rubber wire sheath	ND	ND	ND	219	ND
5	Green rubber wire sheath	ND	ND	ND	ND	ND
6	Red rubber wire sheath	ND	ND	ND	ND	ND
7	White rubber wire sheath	ND	ND	ND	ND	ND
8	Copper metal wire	ND	ND	ND	NC	NA
9	Silver metal connection sheet 1	ND	ND	ND	NC	NA
10	Silver metal connection sheet 2	ND	ND	ND	NC	NA
11	Silver metal connection sheet 3	ND	ND	ND	NC	NA
12	White plastic block 1	ND	ND	ND	ND	ND
13	Silver metal block 1	18	ND	ND	NC	NA
14	White plastic block 2	ND	ND	ND	ND	ND
15	Silver metal block 2	ND	ND	ND	NC	NA
16	Silver metal soldering tin	ND	NC	ND	NC	NA



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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 ≤(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 \leq (700-3 σ) $<$ X $<$ (1300+3 σ) \leq OL	BL \leq (500-3σ) $<$ X $<$ (1500+3σ) \leq 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 ≤ (250-3 σ) < X	
Cr	BL ≤ (700-3σ) <x< td=""><td>BL ≤ (700-3σ) <x< td=""><td>BL≤(500-3σ) <x< td=""></x<></td></x<></td></x<>	BL ≤ (700-3σ) <x< td=""><td>BL≤(500-3σ) <x< td=""></x<></td></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.



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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	
Hoveyalent Chromium (Cr(\(/I\))	IEC 62321-7-1:2015 Ed.1	UV-Vis	0.01µg/cm ²	
Hexavalent Chromium (Cr(VI))	IEC62321-7-2:2017	0 0 - 0 15	10 mg/kg	
Polybrominated Biphenyls (PBBs)	IEC 62321-6: 2015 Ed.1	GC-MS	50 mg/kg	
Polybrominated DiphenylEthers (PBDEs)	1EO 0232 1-0. 2013 Eu. 1	GC-IVIS	50 mg/kg	

Component No.	Boiling-water-extraction for Cr(VI) (*1)		
8	Negative		
9	Negative		
10	Negative		
11	Negative		
13	Negative		
15	Negative		
16	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
16	-	69	-	-	-	-

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 μ g/cm² = micrograms per square centimeter

END OF THE REPORT