

TEST REPORT

APPLICANT : Xindao Hong Kong., Ltd

ADDRESS : 17/F Hing Yip Commercial Centre 272-284 Des Voeux Road
Central HK

SAMPLE DESCRIPTION : BERLIN laptop backpack

ITEN NO. : P705.40*

COUNTRY OF ORIGIN : China

COUNTRY OF DESTINATION : Europe

SAMPLE RECEIVED DATE : 01-Nov-2013

TURN AROUND TIME : 01-Nov-2013 To 07-Nov-2013, 5 working days

TEST REQUESTED	RESULT
- Total Cadmium Content	Pass
- Banned AZO Dyes	Pass

Eurofins (Shanghai) contact information

Customer service: EmilyDeng@eurofins.com / 021-61819259

Sales specialist: EricSun@eurofins.com / 021-61819212/ 13816616371

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

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



Chris Zhang
Lab Manager

SAMPLE PHOTO



EFSH13110042-ST

TO BE CONTINUED

COMPONENT LIST

Component No.	Component
1	Black fabric body.
2	Grey fabric body.
3	Dark blue fabric inner.
4	Fuchsia fabric inner.
5	Black tape.
6	Black fabric edge.
7	Black mesh fabric.
8	Dark green mesh fabric back.
9	Black mesh fabric back.
10	Black zipper fabric.
11	Black rope.
12	Black plastic zipper teeth.
13	Silvery metal zipper head.
14	Silvery metal on black rope.
15	Black coating on zipper head.

TO BE CONTINUED

TEST RESULT

Total Cadmium Content

Test Method : With reference to EN 1122: 2001, Method B, analysis was performed by ICP-OES.

Limit : Commission Regulation (EU) No 494/2011 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under entry 23 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006)-Cadmium (Cd))

Tested Item(s)	Test Result (%)				M.D.L. (%)	Limit (%)
	15					
Total Cadmium (Cd)	ND				0.0005	0.1

Tested Item(s)	Test Result (%)				M.D.L. (%)	Limit (%)
	1+2+3	4+5+6	7+8	9+10		
Total Cadmium (Cd)	ND	ND	ND	ND	0.0005	0.01

Tested Item(s)	Test Result (%)			M.D.L. (%)	Limit (%)
	11	12	13+14		
Total Cadmium (Cd)	ND	ND	ND	0.0005	0.01

Note:

ND = not detected, less than M.D.L.

M.D.L. = method detection limit

1 mg/kg = 1 ppm = 0.0001%

Remark:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

TO BE CONTINUED

TEST RESULT

Banned AZO Dyes

Test specification : Banned AZO-dyes (REACH Regulation (EC) No 1907/2006 (Annex XVII, No. 43), previously restricted under Directive 2002/61/EC)

Test method : BS EN 14362-1:2012 and EN 14362-3:2012
 10-60 mg/kg quantitative, >60 mg/kg semi quantitative
 Determination by Gas Chromatography-Mass Selective Detection (GC-MSD) and Confirmation by High Performance Liquid Chromatographic Analysis (HPLC/DAD)

Requirement : 30 mg/kg for single material

Forbidden Amines	CAS No.	Unit	Result		
			1+2+3	7+8	9+10
Conclusion	--	--	Pass	Pass	Pass
4-Aminobiphenyl	92-67-1	mg/kg	ND	ND	ND
4,4'-Benzidine	92-87-5	mg/kg	ND	ND	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	ND	ND	ND
2-Naphthylamine	91-59-8	mg/kg	ND	ND	ND
o-Aminoazotoluene ¹	97-56-3	mg/kg	ND	ND	ND
5-Nitro-o-toluidine ²	99-55-8	mg/kg	ND	ND	ND
4-Chloroaniline	106-47-8	mg/kg	ND	ND	ND
4-Methoxy-1,3-phenylenediamine	615-05-4	mg/kg	ND	ND	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	ND	ND	ND
3,3'-Dimethylbenzidine	119-93-7	mg/kg	ND	ND	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	ND	ND	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	ND	ND	ND
4,4'-Methylene bis(o-chloroaniline)	101-14-4	mg/kg	ND	ND	ND
4,4'-Oxydianiline	101-80-4	mg/kg	ND	ND	ND
4,4'-Thiodianiline	139-65-1	mg/kg	ND	ND	ND
o-Tolidine	95-53-4	mg/kg	ND	ND	ND
2,4-Diaminotoluene	95-80-7	mg/kg	ND	ND	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	ND	ND	ND
o-Anisidine	90-04-0	mg/kg	ND	ND	ND
4-Amino-azobenzene ³	60-09-3	mg/kg	ND	ND	ND

Remarks:

ND : Not detected, less than 10 mg/kg (max.)

mg/kg = milligram per kilogram

Note 1 : o-Aminoazotoluene(CAS No.:97-56-3) is been reduced to o-Toluidine(CAS No.:95-53-4) and quantified by this.

Note 2 : 5-Nitro-o-toluidine(CAS No.:99-55-8) is been reduced to 4-Methyl-m-phenylene Diamine (CAS No.:95-80-7) and quantified by this.

Note 3 : 4-Amino-azobenzene(CAS No.:60-09-3) is detected as aniline. Need further confirmation when aniline is detected.

Pass : According to the analysis carried out, AZO colorants, which release the listed Aromatic amines under Directive 2002/61/EC, were not detected.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

TO BE CONTINUED

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 Determination by Gas Chromatography-Mass Selective Detection (GC-MSD) and Confirmation by High Performance Liquid Chromatographic Analysis (HPLC/DAD)
 Requirement : 30 mg/kg for single material

Forbidden Amines	CAS No.	Unit	Result	
			4+5+6	11
Conclusion	--	--	Pass	Pass
4-Aminobiphenyl	92-67-1	mg/kg	ND	ND
4,4'-Benzidine	92-87-5	mg/kg	ND	ND
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2-Naphthylamine	91-59-8	mg/kg	ND	ND
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4-Methoxy-1,3-phenylenediamine	615-05-4	mg/kg	ND	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	ND	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	ND	ND
3,3'-Dimethylbenzidine	119-93-7	mg/kg	ND	ND
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2-Methoxy-5-methylaniline	120-71-8	mg/kg	ND	ND
4,4'-Methylene bis(o-chloroaniline)	101-14-4	mg/kg	ND	ND
4,4'-Oxydianiline	101-80-4	mg/kg	ND	ND
4,4'-Thiodianiline	139-65-1	mg/kg	ND	ND
o-Tolidine	95-53-4	mg/kg	ND	ND
2,4-Diaminotoluene	95-80-7	mg/kg	ND	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	ND	ND
o-Anisidine	90-04-0	mg/kg	ND	ND
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*** END OF THE REPORT ***