

# TEST REPORT

**APPLICANT** : Xindao B.V.

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

**SAMPLE DESCRIPTION** : Duffle coolerbag

**ITEM NO.** : P422.01

**COUNTRY OF ORIGIN** : China

**COUNTRY OF DESTINATION** : Europe

**SAMPLE RECEIVED DATE** : 16-Jan-2017

**TURN AROUND TIME** : 16-Jan-2017 to 24-Jan-2017

The following test item(s) was/were performed on selected sample(s) and/or component(s) appointed by applicant.

TEST REQUESTED	RESULT
Banned AZO Dyes	Pass
Overall Migration	Pass
Specific Migration of Heavy Metal	Pass


**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



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 [info.sh@eurofins.com](mailto: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 [china.complaint@eurofins.com](mailto:china.complaint@eurofins.com) and referring to this report number.*

**SAMPLE PHOTO(S)**



**EFSH16110837-CG-01**

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

**COMPONENT LIST**

Component No.	Component	Related Sample(s)
1	White soft plastic (bag) (PEVA)	A, B, C
2	Black fabric Velcro loop	A, B, C
3	Grey fabric zipper tape	A, B, C
4	Red fabric on body	A
5	Blue fabric on body	B
6	Grey fabric on body	C
7	Grey fabric handle	A, B, C

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

## TEST RESULT

### Banned AZO Dyes

Test Request: Banned AZO dyes as specified in entry 43 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EN 14362-1:2012  
5-60 mg/kg quantitative, >60 mg/kg semi quantitative

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result	
					2+3+4	5+6+7
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND	ND
4,4'-Benzidine	92-87-5	mg/kg	30	5	ND	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND	ND
o-Aminoazotoluene <sup>(Note 1)</sup>	97-56-3	mg/kg	30	5	ND	ND
5-Nitro-o-toluidine <sup>(Note 2)</sup>	99-55-8	mg/kg	30	5	ND	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND	ND
4-Methoxy-1,3-phenylenediamine	615-05-4	mg/kg	30	5	ND	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND	ND
3,3'-Dimethylbenzidine	119-93-7	mg/kg	30	5	ND	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	30	5	ND	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND	ND
4,4'-Methylene bis(o-chloroaniline)	101-14-4	mg/kg	30	5	ND	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND	ND
o-Tolidine	95-53-4	mg/kg	30	5	ND	ND
2,4-Diaminotoluene	95-80-7	mg/kg	30	5	ND	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND	ND
4-Amino-azobenzene <sup>(Note 3)</sup>	60-09-3	mg/kg	30	5	ND	ND

#### Remark:

MDL = method detection limit

ND = Not detected, less than MDL

As per client's request, only the appointed materials have been tested.

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

Note 1: o-Aminoazotoluene(CAS No.:97-56-3) is 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 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 reduced to aniline and 1,4-phenylenediamine. Need further confirmation when aniline and 1,4-phenylenediamine are detected.

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

## **TEST RESULT**

### **Overall Migration**

Test Requested : To determine the Overall Migration for compliance with Commission Regulation (EU) No 10/2011 and its amendments relating to plastic materials and articles intended to come into contact with foodstuffs.

Test Method : By reference to EU 10/2011 for selection of test condition;  
With reference to EN1186-1:2002 for selection of test methods;  
or EN1186-3:2002 aqueous food simulants by total immersion method;  
or EN1186-9:2002 aqueous food simulants by article filling method;  
or EN1186-2:2002 olive oil by total immersion method;  
or EN1186-8:2002 olive oil by article filling method;  
or EN 1186-14:2002 substitute test

Simulant used	Time	Temperature	Max. Permissible Limit (mg/dm <sup>2</sup> )	Result (mg/dm <sup>2</sup> )
				1
3% Acetic Acid (W/V) Aqueous Solution	4hrs	5°C	10	3.6
95% Ethanol (V/V) Aqueous Solution (Rectified Olive Oil Substitute)	4hrs	5°C	10	<3.0
Isooctane (Rectified Olive Oil Substitute)	4hrs	5°C	10	<3.0

**Note:**

- (1) mg/dm<sup>2</sup> = milligram per square decimeter
- (2) Analytical tolerance of aqueous simulants is 1 mg/dm<sup>2</sup>
- (3) Analytical tolerance of fatty food simulants is 3 mg/dm<sup>2</sup>
- (4) Test condition & simulant were specified by client.

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

## **TEST RESULT**

### **Specific Migration of Heavy Metal**

Test Requested : To determine the Specific Migration of Heavy Metal for compliance with Commission Regulation (EU) No 10/2011 and its amendment Regulation (EU) 2016/1416 on plastic materials and articles intended to come into contact with food.

Test Method : With reference to Regulation (EU) 10/2011 and its amendment Regulation (EU) 2016/1416 for selection of test condition and EN 13130-1:2004 for test preparation method; analysis was performed by ICP-OES.

Simulant Used: 3% Acetic Acid (W/V) Aqueous Solution

Test Condition: 5°C 4hours

Test Item(s)	Max. Permissible limit	Unit	MDL	Test Result
				1
Aluminium	1	mg/kg	0.1	ND
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.05	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.05	ND
Zinc	5	mg/kg	0.5	ND

**Note:**

- (1) mg/kg = milligram per kilogram
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected(<MDL)
- (4) Test condition & simulant were specified by client.

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