

# TEST REPORT

**APPLICANT** : Xindao B.V.

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

**SAMPLE DESCRIPTION** : Cooler bag with 2 insulated compartments

**ITEM NO.** : P422.23

**COUNTRY OF ORIGIN** : China

**COUNTRY OF DESTINATION** : Europe

**SAMPLE RECEIVED DATE** : 29-Sep-2018

**TURN AROUND TIME** : 29-Sep-2018 to 11-Oct-2018

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

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

*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.*

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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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Lemon Zhang  
Chemical Lab Supervisor

**SAMPLE PHOTO**



**EFSH18090115-CG-01**

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

## **COMPONENT LIST**

<b>Component No.</b>	<b>Component</b>
1	Grey fabric body
2	Black fabric handle
3	Black coating on metal (zipper)
4	White PEVA lining

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

## **TEST RESULT**

### **Total Lead Content**

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996  
Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

Tested Item(s)	Unit	Limit	MDL	Result
				3
Total Lead(Pb)	%	0.05	0.001	0.00108

### **Remark:**

MDL = method detection limit

ND = Not detected, less than MDL

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

\*\*\*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: BS EN ISO 14362-1:2017  
5-60 mg/kg quantitative, >60 mg/kg semi quantitative.

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

### Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

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.

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.

\*\*\*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 EN 1186-1:2002 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	Result
				4
3% Acetic Acid (W/V) Aqueous Solution	4hours	5°C	10 mg/dm <sup>2</sup>	< 3 mg/dm <sup>2</sup>
50% Ethanol (V/V) Aqueous Solution	4hours	5°C	10 mg/dm <sup>2</sup>	< 3 mg/dm <sup>2</sup>

**Note:**

- (1) mg/dm<sup>2</sup>=milligram per square decimeter
- (2) °C=degree Celsius
- (3) <= less than
- (4) Analytical tolerance of aqueous simulants is 1 mg/dm<sup>2</sup>
- (5) Analytical tolerance of fatty food simulants is 3 mg/dm<sup>2</sup>

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

## **TEST RESULT**

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

Test Request: To determine the Specific Migration of Heavy Metal for compliance with Commission Regulation (EU) No 10/2011 and its amendment Regulation (EU) 2017/752 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) 2017/752 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

Tested Item(s)	Unit	Limit	MDL	Result
				4
Aluminium	mg/kg	1	0.1	ND
Barium	mg/kg	1	0.25	ND
Cobalt	mg/kg	0.05	0.05	ND
Copper	mg/kg	5	0.25	ND
Iron	mg/kg	48	0.25	ND
Lithium	mg/kg	0.6	0.5	ND
Manganese	mg/kg	0.6	0.05	ND
Zinc	mg/kg	5	0.5	ND
Nickel	mg/kg	*0.02	0.01	ND

### **Remark:**

- (1) mg/kg = milligram per kilogram
- (2) MDL = Method Detection Limit
- (3) ND = Not detected, less than MDL
- (4) “\*”, Requirement for migration of Nickel is 0.02mg/kg for (EU) 2017/752.
- (5) Test condition & simulant were specified by client.

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