



TEST REPORT

Reference No. : SZ2017040824-1E

Date : May. 12, 2017

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Client : Paul Stricker SA

Address : N.I. Murtede, It5 - 3060-372 Murtede - Portugal

The following merchandise was (were) submitted and identified by the client as:

Name of Product : Cooler bag

Test Model : 98408, 98414, 98415, 98416


Model May Cover : /

Sample Received : Apr. 27, 2017


Test Period : Apr. 27, 2017 - May. 12, 2017

As requested by the client, according to Commission Regulation (EU) No 10/2011 and its subsequent amendment Regulation EU No.1282/2011, 1183/2012, 202/2014 and Regulation (EU) 2016/1416 on plastic materials and articles intended to come into contact with foodstuffs, General Requirement(Article 3) in EU Regulation No. 1935/2004 to do the following test items:

Test Items:	Conclusion:
1. Overall Migration test for Plastic	PASS
2. Soluble Heavy Metals for Plastic	PASS
3. Specific Migration of PAA for Plastic	PASS
4. Phthalate content according to REACH Annex XVII (entry 51&52)	PASS

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TEST RESULTS:

1. Overall migration test

Test Method: With reference to EN1186-1:2002 for selection of conditions and test methods EN1186-13:2002 aqueous food simulants by article filling method;

Test Item	Test condition	Test Result (mg/dm ²)	Maximum Permissible Limit (mg/dm ²)
		1#	
Surface area(dm ²)/Quality(g)	/	1/4	/
Poly(2,6-diphenyl-p-phenylene oxide)	2 hours, 70°C	<3.0	10

Remark: Report the third extractive results.

2. Soluble Heavy Metals

Test Method: Sample preparation in 3% Acetic acid at 40°C for 24 hours, followed by analysis using Inductively Coupled Argon Plasma Spectrometer.

Test Item	Result (mg/kg)	Maximum Permissible Limit (mg/kg)
	1#	
Surface area(dm ²)/Volume(ml)	1/167	/
Soluble Barium	<0.01	1
Soluble Cobalt	<0.01	0.05
Soluble Copper	<0.01	5
Soluble Iron	<0.01	48
Soluble Lithium	<0.01	0.6
Soluble Manganese	<0.01	0.6
Soluble Zinc	<0.01	5
Soluble Aluminum	<0.01	1

Remark: Report the third extractive results.

3. Specific Migration of PAA

Test Method: Sample preparation with reference to EN 13130-1: 2004 with selection of stimulant and condition, followed by analysis by GC/MS.

Test Items	Test Result (mg/kg)	Maximum Permissible Limit (mg/kg)
	1#	
Surface area(dm ²)/Volume(ml)	1/167	/
Specific migration of PAA in 3% acetic acid at 40°C, 24 hours	<0.01	0.01

4. Phthalates Content[△]

Test Method: With reference to EPA3550C-2007&EPA8270D-2007, Analysis was performed by GC-MS.

(4-1) For all toys and childcare articles

Test Item(s)	Unit	MDL	Test Results	Limited Value*
			1#	
Dibutyl Phthalate((DBP)	%	0.005	N.D.	---
Benzylbutyl Phthalate(BBP)		0.005	N.D.	---
Di-(2-ethylhexyl)Phthalate(DEHP)		0.005	0.093	---
Total (DBP+BBP+DEHP)		---	0.093	≤ 0.1

(4-2) For toys and childcare articles that can be mouthed

Test Item(s)	Unit	MDL	Test Results	Limited Value*
			1#	
Di-iso-nonylphthalate(DINP)	%	0.010	N.D.	---
Di-n-octylphthalate(DNOP)		0.005	N.D.	---
Di-iso-decylphthalate(DIDP)		0.010	N.D.	---
Total (DINP+DNOP+DIDP)		---	< 0.025	≤ 0.1

Remark: * The Limited value is based on REACH Annex XVII (entry 51&52).

- Note :**
- 1) MDL = Method Detection Limit.
 - 2) N.D. = Not detected, less than MDL.
 - 3) “---” = Not Regulated.
 - 4) % = Percentage by weight.
 - 5) [△]The test was conducted from the rest sample, and the test period was May. 10, 2017 - May. 12, 2017

Test Part Description:

1# Transparent plastic film

SAMPLE PHOTO



REFERENCE PHOTOS





***** END OF REPORT *****