



**BUREAU
VERITAS**

TEST REPORT

LAB NO. : (6614)332-1041
DATE : November 28, 2014
PAGE : 1 OF 5

APPLICANT : TAI ZHOU HUANG YAN PENGXIN PLASTIC MACHINE CO., LTD
8#YALIN INDUSTRIAL ZONE ,WEST CITY , HUANGYAN, ZHEJIANG
DATE OF SUBMISSION : November 28, 2014
TEST PERIOD : November 28, 2014 to November 28, 2014
NO. OF WORKING DAY(S) : 1
SAMPLE DESCRIPTION : One (1) received sample stated to be Plastic bottle
Style No.: FSPWB-650ML & FSPWB-900ML
TESTED ITEM : Details see page 3

SUMMARY OF TEST RESULTS

TEST REQUESTED	PASS	FAIL
Overall Migration Test for Rubber in Contact with Foodstuffs – Council of Europe, Resolution ResAP(2004)4	√	
Overall Migration Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments	√	
Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments	√	
Specific Migration of Primary Aromatic Amine for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments	√	
Specific Migration of Bisphenol A for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments	√	
Nitrosamines and Nitrosatable Substances Content for Teats and Soother – 93/11/EEC	√	

Note: 1) The tested part of the sample was specified by client.
2) The test requested was specified by client.
3) The test conclusion was given based on the results of tested part.

REMARK

If there are questions or concerns on this report, please contact the following persons:

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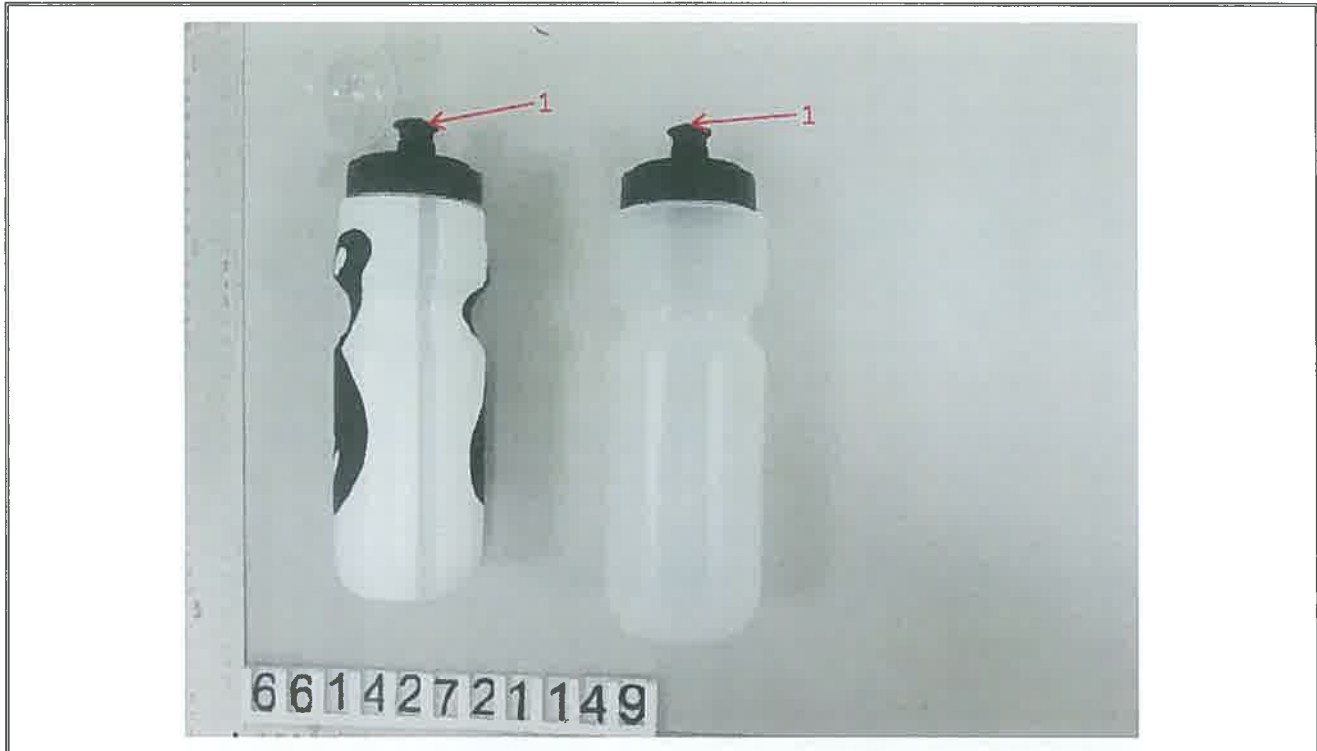
BUREAU VERITAS
CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)

PREPARED BY : Tiger

Gorden Yu
Analytical Lab

RW/2014

Photo of the Submitted Sample





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TEST RESULT

Sample Description Assigned by Laboratory:

Test Item	Description	Client Claimed Material
1	Black plastic nozzle	TPR
2	Black plastic cover	PE
3	Transparent silicone	Silicone
4	White plastic body	PE
5	Translucence plastic body	PE

I. Overall Migration Test for Rubber in Contact with Foodstuffs – Council of Europe, Resolution ResAP(2004)4

Test Condition: 3% Acetic acid: 40 °C, 24 hrs
 10% Ethanol: 40 °C, 24 hrs

Simulant Used	Unit	Result			Maximum Allowable Limit	Analytical Tolerance
		1				
Food contact surface area	dm ²	1.02			-	-
Volume of simulant used	mL	100			-	-
3% Acetic acid	mg/dm ²	<5			10	+2
10% Ethanol	mg/dm ²	<5			10	+2
Conclusion	-	PASS			-	-

Note: “<” = less than
 mg/dm² = milligram per square decimetre

Method: EN 1186-1: 2002.

Remark: The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.

II. Overall Migration Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments

Test Condition: 3% Acetic acid: 40 °C, 24 hrs
 10% Ethanol: 40 °C, 24 hrs

Simulant Used	Unit	Result			Maximum Allowable Limit	Analytical Tolerance
		2	4	5		
Food contact surface area	dm ²	1.04	1.24	1.04	-	-
Volume of simulant used	mL	100	124	100	-	-
3% Acetic acid	mg/dm ²	<5	<5	<5	10	+2
10% Ethanol	mg/dm ²	<5	<5	<5	10	+2
Conclusion	-	PASS	PASS	PASS	-	-

Note: “<” = less than
 mg/dm² = milligram per square decimetre

Method: EN 1186-1: 2002.

Remark: The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.



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**III. Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs –
 Commission Regulation (EU) No. 10/2011 and Its Amendments**

Test Condition: 3% Acetic acid: 40 °C, 24 hrs

Parameter	Simulant Used	Unit	Result			Maximum Allowable Limit
			2	4	5	
Food contact surface area	-	dm ²	0.6	0.6	0.6	-
Volume of simulant used	-	mL	100	100	100	-
Barium (Ba)	3% Acetic acid	mg/kg	<0.1	0.18	<0.1	1
Cobalt (Co)	3% Acetic acid	mg/kg	<0.005	<0.005	<0.005	0.05
Copper (Cu)	3% Acetic acid	mg/kg	<0.5	<0.5	<0.5	5
Iron (Fe)	3% Acetic acid	mg/kg	<5	<5	<5	48
Lithium (Li)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	0.6
Manganese (Mn)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	0.6
Zinc (Zn)	3% Acetic acid	mg/kg	<3	<3	<3	25
Conclusion	-	-	PASS	PASS	PASS	-

Note: "<" = less than

mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Remark: The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.

**IV. Specific Migration of Primary Aromatic Amine for Plastic Materials in Contact with Foodstuffs –
 Commission Regulation (EU) No. 10/2011 and Its Amendments**

Test Condition: 3% Acetic acid: 40 °C, 24 hrs

Parameter	Simulant Used	Unit	Result	Maximum Allowable Limit
			1	
Food contact surface area	-	dm ²	0.6	-
Volume of simulant used	-	mL	100	-
Primary Aromatic Amines	3% Acetic acid	mg/kg	<0.01	0.01
Conclusion	-	-	PASS	-

Note: "<" = less than mg/kg = milligram per kilogram

Method: EN 13130-1: 2004, LC-MS/ LC-MS/MS analysis.

Remark: The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.



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TEST RESULT

V. Specific Migration of Bisphenol A for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments

Test Condition: 3% Acetic acid: 40 °C, 24 hrs
10% Ethanol: 40 °C, 24 hrs

Parameter	Simulant Used	Unit	Result			Maximum Allowable Limit
			1	2	3	
Food contact surface area	-	dm ²	0.6	0.6	0.6	-
Volume of simulant used	-	mL	100	100	100	-
Bisphenol A	3% Acetic acid	mg/kg	<0.3	<0.3	<0.3	0.6
	10% Ethanol	mg/kg	<0.3	<0.3	<0.3	0.6
Conclusion	-	-	PASS	PASS	PASS	-

Parameter	Simulant Used	Unit	Result		Maximum Allowable Limit
			4	5	
Food contact surface area	-	dm ²	0.6	0.6	-
Volume of simulant used	-	mL	100	100	-
Bisphenol A	3% Acetic acid	mg/kg	<0.3	<0.3	0.6
	10% Ethanol	mg/kg	<0.3	<0.3	0.6
Conclusion	-	-	PASS	PASS	-

Note: “<” = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and CEN/TS 13130-13: 2005.

Remark: The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.

VI. Nitrosamines and Nitrosatable Substances Content for Teats and Soother – 93/11/EEC

Parameter	Unit	Result	Maximum Allowable Limit
		1	
Total Nitrosamines	mg/kg	<0.01	0.01
Total Nitrosatable Substances	mg/kg	<0.1	0.1
Conclusion	-	PASS	-

Note: “<” = less than
mg/kg = milligram per kilogram

Method: EN 12868:1999.

END