



Test Report

No.: T31720250552SC

Date: AUG 24, 2017

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TLC HOUSEWARE SDN BGD
44B, LEBUH MACALLUM, 10300 PENANG MALAYSIA

The following samples were submitted and identified on behalf of the client as:

950ML TRITAN WATER BOTTLE

SGS Case No. : CA317202509589
RS Reference No : CRS/SAT/17/0902/TLC
Sample Receiving Date : AUG 04, 2017
Test Performing Date : AUG 04 – 24, 2017

Test Requested : Please refer to the result summary.

Test Method & Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
1. European Commission Regulation (EU) No 10/2011 and its amendments Selected test part as specified by client	--
a) Plastic – Overall migration	PASS
b) Plastic – Specific Migration of Heavy Metals	PASS

Signed for and on behalf of
SGS Hong Kong Ltd.

Che Wai Leuk, Jerry
Technical Manager

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Test Results :

1. European Commission Regulation (EU) No 10/2011 and its amendments

a) Plastic – Overall migration

Method : With reference to EN 1186-1:2002 for selection of conditions and test methods (1st migration);
EN 1186-9:2002 aqueous food simulants by article filling method;

Simulant Used	Test Condition	Result (mg/dm ²)	Reporting Limit (mg/dm ²)	Permissible Limit (mg/dm ²)
		1		
3% Acetic Acid (W/V) Aqueous Solution	10 days at 40°C	ND	3.0	10
20% Ethanol (V/V) Aqueous Solution	10 days at 40°C	ND	3.0	10
Comment	--	PASS	--	--

Sample Description :

- Transparent Plastic (Bottle)

- Note :
1. mg/dm² = milligram per square decimeter
 2. °C = degree Celsius
 3. ND = Not Detected

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Test Results (Cont'd) :

b) Plastic – Specific Migration of Heavy Metals

Method: Sample preparation in 3% acetic acid (w/v) in aqueous solution at 40°C for 24 hours with reference to EN 13130-1:2004; followed by analysis using Inductively Coupled Argon Plasma Spectrometry (ICP) (3rd migration).

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1		
Specific Migration of Barium	ND	0.25	1
Specific Migration of Cobalt	ND	0.03	0.05
Specific Migration of Copper	ND	0.25	5
Specific Migration of Iron	ND	0.25	48
Specific Migration of Lithium	ND	0.5	0.6
Specific Migration of Manganese	ND	0.25	0.6
Specific Migration of Zinc	ND	0.5	5
Specific Migration of Aluminum	ND	0.1	1
Comment	PASS	--	--

Sample Description :

1. Transparent Plastic (Bottle)

- Note :
1. mg/kg = milligram per kilogram of foodstuff in contact with
 2. °C = degree Celsius
 3. ND = Not Detected

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Photo Appendix



*** End of Report ***

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