



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Reference No...... : WTF16F1164757C
Applicant..... : Mid Ocean Brands B.V.
Address..... : Unit 201 2/F., Laford Centre, 838 Lai Chi Kok Road, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer..... : 114276
Sample Name..... : Tritan bottle
Model No...... : MO8917
Test Requested..... : 1) Determination of Lead content in the submitted sample in accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628
 2) Determination of Cadmium content in the submitted sample in accordance with REACH regulation Annex XVII Entries 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011, No. 835/2012 and (EU) 2016/217
 3) Determine the Phthalates content requirement in Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009
 4) Determine the Bisphenol A content according to Regulation (EU) No 321/2011 amending Regulation (EU) No 10/2011 and French Law No.2012-1442 of Dec 2012
Test Method..... : Please refer to next page (s)
Test Conclusion..... : Please refer to next page (s)
Date of Receipt sample..... : 2016-11-07
Date of Test..... : 2016-11-07 to 2016-11-11
Date of Issue..... : 2016-11-29
Test Result..... : Please refer to next page (s)

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of reporter and reviewer.

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**Test Result:****1) Lead (Pb)**

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.1	No.2	No.3	
Lead(Pb)	2	ND	ND	ND	500
Conclusion	--	Pass	Pass	Pass	--

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.4	No.5	No.6	
Lead(Pb)	2	ND	ND	ND	500
Conclusion	--	Pass	Pass	Pass	--

Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than MDL)
- (3) MDL = Method Detection Limit
- (4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.

2) Cadmium (Cd)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	MDL (mg/kg)	Results (mg/kg)					
		No.1	No.2	No.3	No.4	No.5	No.6
Cadmium(Cd)	2	ND	ND	ND	ND	ND	ND
Conclusion	--	Pass	Pass	Pass	Pass	Pass	Pass

Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than MDL)
- (3) MDL = Method Detection Limit
- (4) Limit of Cadmium according to REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011 and No. 835/2012 and (EU) 2016/217.

Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100



3) Phthalates

Test Method: with reference to EN14372:2004, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Items	BBP	DBP	DEHP	DIDP	DINP	DNOP	--
MDL (%)	0.005	0.005	0.005	0.01	0.01	0.005	--
Limit (%)	sum of three phthalates < 0.1			sum of three phthalates < 0.1			--
Specimen No.	Result (%)						Conclusion
No.1	ND	ND	ND	ND	ND	ND	Pass
No.2	ND	ND	ND	ND	ND	ND	Pass
No.3	ND	ND	ND	ND	ND	ND	Pass
No.4	ND	ND	ND	ND	ND	ND	Pass
No.5	ND	ND	ND	ND	ND	ND	Pass
No.6	ND	ND	ND	ND	ND	ND	Pass

Note:

DBP= Dibutyl phthalate

BBP= Benzyl butyl phthalate

DEHP= Bis-(2-ethylhexyl)- phthalate

DINP= Di-isononyl phthalate

DNOP= Di-n-octyl phthalate

DIDP= Di-isodecyl phthalate

(1) % = percentage by weight

(2) ND = Not detected or Less than the method detection limit

(3) MDL=Method Detection Limit

(4) "<" = less than

(5) The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009(formerly known as Directive 2005/84/EC) for phthalate content in toys and child care articles.

4) Bisphenol A

Test Method: With reference to US EPA 3540C-1996, analysis was performed by GC-MS.

Test Item	Unit	MDL	Limit	Result		
				No.3	No.5	No.6
Bisphenol A*	mg/kg	0.1	Prohibited	ND	ND	ND
Conclusion	--	--	--	Pass	Pass	Pass

Note:

(1) ND = Not Detected (<MDL)

(2) MDL= Method Detection Limit

(3) Permissible Limit is according to Commission Implementing Regulation (EU) No 321/2011 amending Regulation (EU) No 10/2011 and French Law No.2012-1442 of Dec 2012.

(4) The testing item marked with '*' does not been accredited by CNAS
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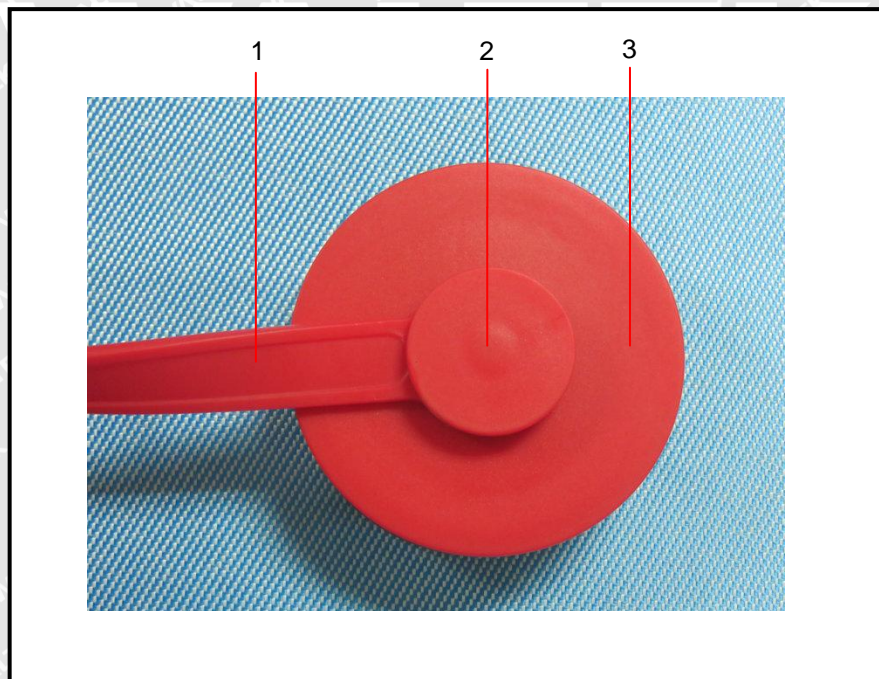
Test Specimen Description:

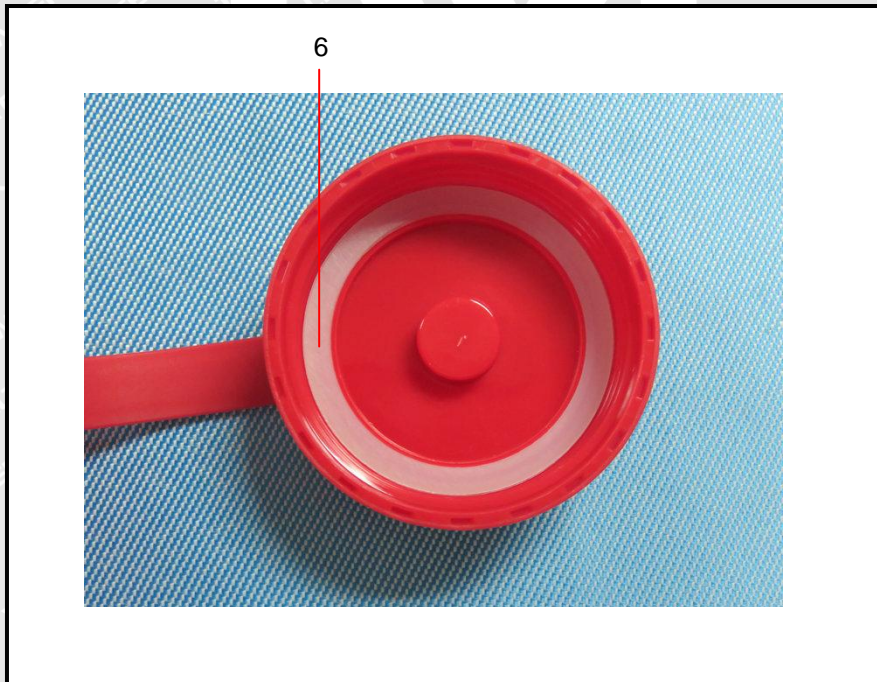
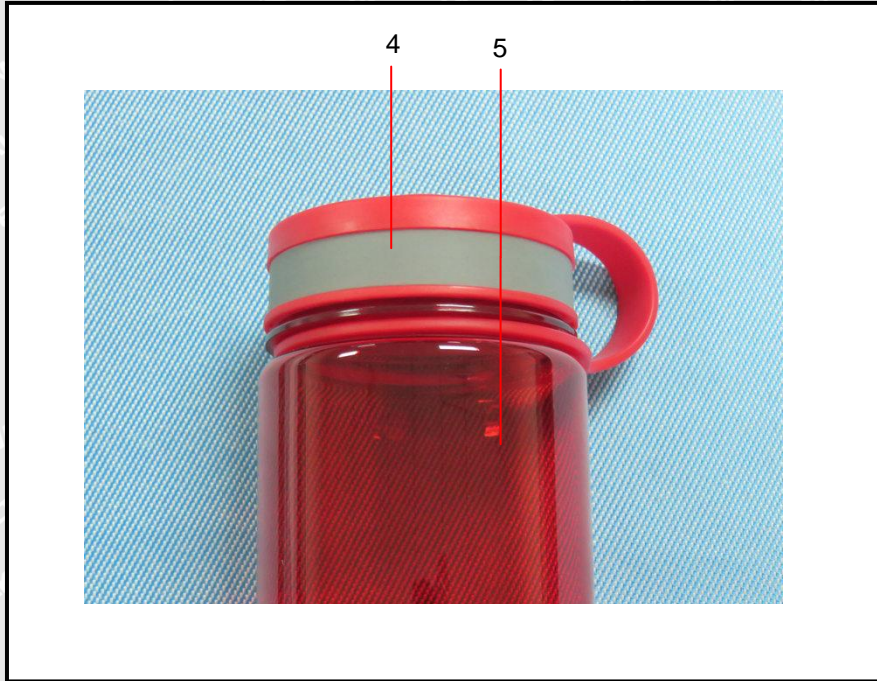
- No.1: Red plastic sheet
- No.2: Red plastic sheet
- No.3: Red plastic cover
- No.4: Grey rubber ring
- No.5: Red transparent plastic cup
- No.6: White rubber ring

Sample photo:



Photographs of parts tested:





===== End of Report =====