

**Test Report** No.: GZHG1109025709IP Date: SEP 15, 2011 Page 1 of 5

IDEAL HOUSEWARE CO., LTD RM 1718, TAIHENG BLDG, 18, SI YOU YI ROAD, GUANGZHOU, CHINA

The following sample(s) was/were submitted and identified on behalf of the applicant as

Sample Description : TRAINING CUP

SGS Job No. : GZ1109117113/CHEM

Manufacturer : IDEAL HOUSEWARE CO., LTD

Date of Sample Received : SEP 07, 2011

**Testing Period** : SEP 07, 2011 TO SEP 15, 2011

: In accordance with EN 14350-2: 2004 Child use and care articles - Drinking equipment Part 2: Test Requested

Chemical requirements and tests and Commission Regulation (EU) No 10/2011 of 14

January 2011.

1) For material: Silicone rubber, thermoplastic elastomers (TPEs) and thermoplastic – Overall

migration test

2) For material: Silicone rubber, thermoplastic elastomers (TPEs) and thermoplastic

- Migration of certain elements.

3) For material: silicon rubber, thermoplastic elastomers (TPEs) – N - Nitrosamines and N –

Nitrosatables substances release.

4) For material: Silicone rubber – Volatile compounds content.

Test Method : 1) With reference to EN 1186-1:2002 for selection of conditions and test methods;

EN 1186-3:2002 aqueous food simulants by total immersion method; EN 1186-9:2002 aqueous food stimulants by article filling method;

2) With reference to EN 14350-2:2004 and EN71-3. Analysis was performed by ICP-OES 3) With reference to EN 14350-2:2004 and EN 12868:1999. Analysis was performed by

GC/NPD & GC/MS.

4) With reference to EN 14350-2:2004.

**Test Results** : Please refer to the next page.

Signed for and on behalf of SGS-CSTC Ltd.

Yan Lau

Approved signatory

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## Test Results:

1)

		Overall Migration (mg/kg)				Maximum	
Simulant Used	Test Condition	Sample	Sample	Sample	Sample	Permissible Limit	
		No.1	No.2	No.3	No.4	(mg/kg)	
3% Acetic acid (w/v)	24 hours at 40 ℃	< 20	< 20	< 20	< 20	60	
50% Ethanol (v/v)	24 hours at 40 ℃	< 20	< 20	< 20	< 20	60	

Note

- : 1. < = less than
  - 2. mg/kg = milligram per kilogram foodstuff in contact with
  - 3. The test data is obtained by considering the articles intended for repeated use as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V.
- 4. Test sample No.2& No.4 was applied to container with capacity of 0.24 L.

2)

Test Item(s)	Unit	No.1	No.2	No.3	No.4	MDL	Limit
Soluble Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	25
Soluble Antimony (Sb)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	15
Soluble Arsenic (As)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	10
Soluble Barium (Ba)	mg/kg	N.D.	N.D.	N.D.	N.D.	10	100
Soluble Cadmium (Cd)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	20
Soluble Chromium (Cr)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	10
Soluble Mercury (Hg)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	10
Soluble Selenium (Se)	mg/kg	N.D.	N.D.	N.D.	N.D.	10	100

## Note:

- 1. mg/kg = ppm
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit
- 4. Results of soluble elements shown are of the adjusted analytical results

3)

Test Items	Unit	Re	sult	MDL	Maximum Permissible Limit	
Test items		No.3	No.4			
N-Nitrosamines	ma/ka	N.D.	N.D.	0.01	0.01	
N-Nitrosatable substances	mg/kg	N.D.	N.D.	0.1	0.1	

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Note: 1. N-Nitrosamines tested: N-nitrosondimethylamine (NDMA), N-nitrosodiethylamine (NDEA), N-nitrosodipropylamine (NDPA), N-nitrosodibutylamine (NDBA), N-nitrosopiperdine (NPIP), N-nitrosopyrrolidine (NPYR), N-nitrosomorpholine (NMOR), N-nitrosodibenzylamine (NDBzA), N-nitroso-N-methyl-N-phenylamine (NMPhA), N-nitroso-N-ethyl-N-phenylamine (NEPhA) and N-nitrosodisonylamine (NDiNA).

- 2. mg/kg = milligram per kilogram
- 3. N.D. = Not Detected (<MDL)

4)

Test Items	Result (% w/w)	Maximum Permissible Limit (% w/w)	
Test items	No.5		
Volatile compounds content	0.1	0.5	

Note: 1. % w/w = Percentage of weight by weight

## **Test Part Description:**

No. 1 Translucent plastic cup

No. 2 Translucent plastic lid

No. 3 Translucent rubber nipple

No. 4 Translucent silicone rubber

No. 5 Translucent silicone rubber (5#)

Remark: Results & photo(s) of No.1~No.4 in this report refer to test report GZ1106082037/CHEM.

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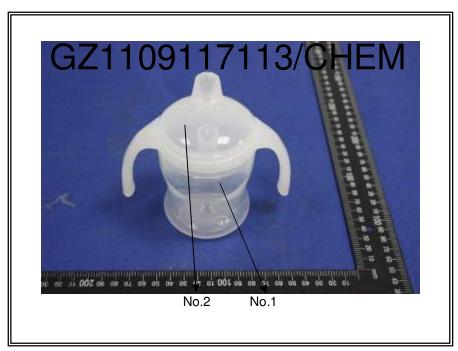
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## Sample photo:





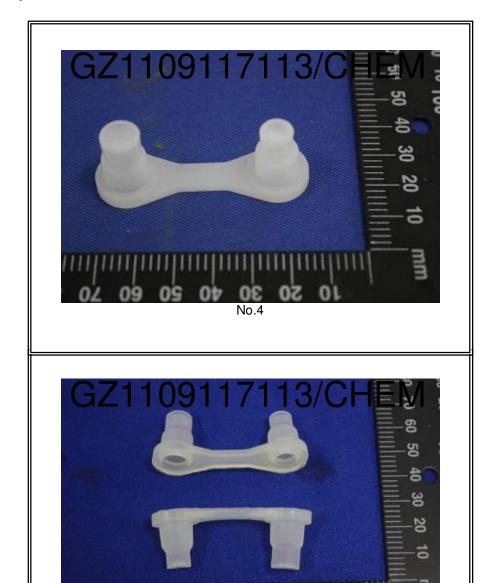
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\*\*\* End of Report \*\*\*

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