

# TEST REPORT

NO.: A001T121228027001

Date: Jan 07, 2013

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**Applicant:**

**Address:**

**Report on the submitted sample said to be:**

**Sample name:** See Specimen Description

**Model:** See Specimen Description

**Item/Lot No.:** /

**Material:** /

**Buyer:** /

**Supplier:**

**Manufacturer:** /

**Sample received date:** Dec 28, 2012

**Testing period:** From Dec 28, 2012 to Jan 07, 2013

**Test Requested:**

In accordance with Regulation (EC) No 1935/2004, to determine the submitted sample:

- Overall migration test

(DI Water, 3% Acetic Acid, 20% Ethanol, 50% Ethanol, Olive oil substitution <95% Ethanol, Isooctane>)

- Extractable heavy metal (Barium, Cobalt, Copper, Iron, Lithium, Manganese and Zinc)

- Extractable heavy metal (Lead, Cadmium)

**Test method:**

1. With reference to EN 1186 (EN 1186-3:2002, EN 1186-3:2002, EN 1186-3:2002, EN 1186-3:2002, EN 1186-14:2002)

2. With reference to EN 13130-1:2004 by ICP

3. With reference to EN 1388-2:1995 by ICP

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)\*\*\*\*\*

Signed for and on behalf of  
Shenzhen AOV Testing Technology Co., Ltd

Tested by:

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Project Leader

Reviewed by:



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(Attention is drawn to the terms and conditions printed overleaf)

Hotline  
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**Test Results:**
**(1) Overall migration**

Parameter	Unit	Maximum Limit	Result	
			A	B
- DI Water, 70°C, 2h	mg/dm <sup>2</sup>	10	2	2
- 20% Ethanol, 70°C, 2h	mg/dm <sup>2</sup>	10	2	2
- 50% Ethanol, 70°C, 2h	mg/dm <sup>2</sup>	10	3	3
- 3% Acetic Acid, 70°C, 2h	mg/dm <sup>2</sup>	10	2	2
- Olive oil substitution, 95% Ethanol, 60°C, 2h	mg/dm <sup>2</sup>	10	3	3
- Olive oil substitution, Isooctane, 40°C, 0.5h	mg/dm <sup>2</sup>	10	3	3

**(2) Extractable heavy metal (Barium, Cobalt, Copper, Iron, Lithium, Manganese and Zinc)**

Item	Unit	Limit	Result	
			A	B
Barium migration (Ba) 3% acetic acid, 70°C, 2h	mg/kg	1	<0.02	<0.02
Cobalt migration (Co) 3% acetic acid, 70°C, 2h	mg/kg	0.05	<0.02	<0.02
Copper migration (Cu) 3% acetic acid, 70°C, 2h	mg/kg	5	<0.02	<0.02
Iron migration (Fe) 3% acetic acid, 70°C, 2h	mg/kg	48	<1	<1
Lithium migration (Li) 3% acetic acid, 70°C, 2h	mg/kg	0.6	<0.02	<0.02
Manganese migration (Mn) 3% acetic acid, 70°C, 2h	mg/kg	0.6	<0.02	<0.02
Zinc migration (Zn) 3% acetic acid, 70°C, 2h	mg/kg	25	<1	<1

**(3) Extractable heavy metal (Lead, Cadmium)**

Test component	Unit	Limit	Result	
			A	B
Extractable Lead (Pb) 4% acetic acid, 23°C, 24h	mg/L	4.0	<0.1	<0.1
Extractable Cadmium (Cd) 4% acetic acid, 23°C, 24h	mg/L	0.3	<0.01	<0.01

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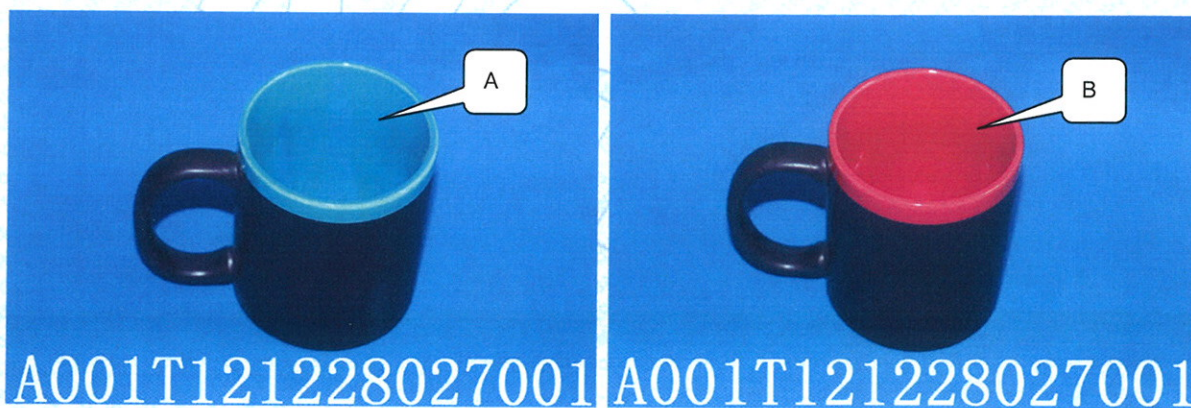
**Specimen Description:**

No.	Specimen name	Model
A	Blue chalk mug	2880
B	Red chalk mug	2880

**Note:**

- mg/dm<sup>2</sup> denotes milligrams per square decimeter of surface area.
- mg/kg =ppm
- Photos are included

**Photographs of Samples**



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