

Test Report No: D20180859 001

Date: 13<sup>th</sup> August , 2018

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**APPLICANT** : PROCLAY INDUSTRIES  
**CONTACT PERSON** : MS. URMILA  
**ADDRESS** : 50, VANIYA STREET, CHANCHAPAR MORBI, 363641 , INDIA

**Sample Not Drawn By TUV Rheinland (India) Pvt. Ltd**

**Sample Description** : Ceramic Jar  
**Buyer Name** : Not Provided  
**Agent Name** : Not Provided  
**Fibre Content** : Not Provided  
**Model No/Series** : Not Provided  
**Article No** : Not Provided  
**Supplier Art No** : Not Provided  
**Colour Name** : Multicolor  
**End Use** : Storage Purpose  
**Destination** : India  
**Sample Receiving Date** : 10<sup>th</sup> August, 2018  
**Testing Period** : 10<sup>th</sup> August, 2018 to 13<sup>th</sup> August, 2018  
**Delivery Condition** : Sample received in good condition  
**Test requested** : **Leachable Lead And Cadmium**

**Conclusion:**

Test Property	Pass	Fail	Remarks
Leachable Lead And Cadmium	X		See Result

For and on behalf of

TÜV Rheinland (India) Pvt. Ltd



Narayan Chandra Manna

Lab Manager Hardline

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**Test Results****Leachable Lead And Cadmium**

Release of Heavy Metals from Glassware

Test method: The migration behaviour is examined according to Indian Standard (IS) 9806:2001. The concentration of the elements is examined by means of ICP-MS.

Limit: Indian Standard (IS) 9806:2001 Methods of Test for and Permissible Limits of Toxic Materials Released from Ceramic ware, Vitreous Enamel ware, Glassware and Glass-ceramic ware in Contact with Food and its reaffirmations

The following food simulant and condition was applied:

Food simulant	Test duration / Temperature
4% Acetic acid	24 hours / 27 °C

Test No.:			
Category:	<b>Small hollowware / Large hollowware / Storage hollowware / Cups and Mugs / Cooking ware</b>		
Material No.:	Ceramic Jar		
<b>Trial</b>	<b>Unit</b>	<b>Lead (Pb)</b>	<b>Cadmium (Cd)</b>
Trial 1	mg/l	< 0.1	< 0.01

# Remark – Result report on 1<sup>st</sup> trial due to shortage of sample

Abbreviations:

mg/dm<sup>2</sup> = Microgram per decimetre

mg/l = Milligram per litre

< = Less than

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## Remarks:

\*1 According to the Indian Standard (IS) 9806:2001, articles in contact with food should not exceed the following limits.

Type of Ware	Description	Permissible Limit Criterion	Unit	Lead	Cadmium
Flatware	Articles having an internal depth that does not exceed 25 mm as measured from the lowest point to the horizontal plane passing through the point of overflow	Mean $\leq$ Limit	mg/dm <sup>2</sup>	0.8	0.07
Small Hollowware	Articles having an internal depth greater than 25 mm as measured from the lowest point to the horizontal plane passing through the point of overflow and with a capacity less than 600 millilitres	All specimens $\leq$ Limit	mg/l	1.5	0.50
Large Hollowware	Articles having an internal depth greater than 25 mm as measured from the lowest point to the horizontal plane passing through the point of overflow and with a capacity of 600 millilitres and above but less than 3.0 litres	All specimens $\leq$ Limit	mg/l	0.75	0.25
Storage Hollowware	Articles having an internal depth greater than 25 mm as measured from the lowest point to the horizontal plane passing through the point of overflow and with a capacity of 3.0 litres or more	All specimens $\leq$ Limit	mg/l	0.5	0.25

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Cups and Mugs	Small hollow ware commonly used for consumption of beverages, for example, tea or coffee, at elevated temperature	All specimens $\leq$ Limit	mg/l	0.5	0.25
Cooking ware	Articles specially intended to be heated in the course of preparation of food and drinks by conventional thermal methods and by microwaves	All specimens $\leq$ Limit	mg/l	0.5	0.05

\*2 For the limit of drinking rim, please refer to the type of ware itself.

\*3 The examined item does not meet the requirement

Remark: 1. Testing has been performed on applicant request.

2. Subcontracted to TUVR Soft-line Division.

#### Sample Photo



-End of Test report-