

TEST REPORT

NUMBER : DELH23002487-GL
DATE : 23RD JUNE, 2023



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APPLICANT: ALL TIME PLASTICS PVT. LTD.
PLOT NO. 377/1 (1&2) & 371/1(C), KACHIGAM CHAR RASTA,
BEHIND STONE QUARRY, DAMAN (U.T.) 396210

ATTN: ZARIR PATEL

SAMPLE DESCRIPTION: SOUP MUG WITH LID (700 ML) (ASSORTED)

DATE RECEIVED : 01ST MAR, 2023
TEST PERFORMANCE DATE : 01ST MAR, 2023 TO 28TH MAR, 2023
BUYER'S NAME : --
BUYING AGENT/ CONTACT : --
ORDER NO. : --
BAR CODE : 8902084083769
STYLE NO. : HSN CODE: 39241090
COLOR : AQUIFER
END USE : --
SEASON : --
COUNTRY OF ORIGIN : --
COUNTRY OF DESTINATION : --
MANUFACTURER'S NAME : ALL TIME PLASTICS PVT. LTD.

TESTS CONDUCTED: AS PER THE REQUEST BY THE APPLICANT.
TOTAL LEAD CONTENT, TOTAL CADMIUM CONTENT, BISPHENOL-A CONTENT, DISHWASHER SAFE TEST, OVERALL MIGRATION, SPECIFIC MIGRATION OF HEAVY METALS (19 ELEMENTS), FREEZER SAFE TEST, MICROWAVE SAFE TEST, VOLATILE ORGANIC MATTER (VOM), LEAK PROOFNESS TEST, AIR LEAKAGE TEST
FOR FURTHER DETAILS PLEASE REFER TO THE ENCLOSED PAGE (S).

CONCLUSION:

TESTED SAMPLE	TEST PARAMETERS/STANDARD	RESULT
SUBMITTED SAMPLE	TOTAL LEAD CONTENT (With Reference to Regulation (EC) No.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 63)	M
	TOTAL CADMIUM CONTENT (With Reference to Regulation (EC) NO.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23)	M
	BISPHENOL-A CONTENT (By Solvent Extraction Followed By LC-MS/MS)	M
	DISHWASHER SAFE TEST (As Per Intertek In-House Test Method (M0001-V05))	M
	OVERALL MIGRATION As Per European Commission Regulation (EC) No.1935/2004 and (EU) No. 10/2011, EU 2020/1245- On Plastic Materials and Articles Intended to Come into Contact with Food)	M
	SPECIFIC MIGRATION OF HEAVY METALS (19 ELEMENTS) (As Per European Commission Regulation (EC) No.1935/2004 and (EU) No.10/2011, EU 2020/1245- On Plastic Materials and Articles Intended to Come into Contact with Food.)	M
	FREEZER SAFE TEST (As Per Intertek In-House Test Method(M0004-V03))	M
	MICROWAVE SAFE TEST As Per Intertek In-House Test Method (M0002-V02)	M
	VOLATILE ORGANIC MATTER (VOM) (With Reference To (EC) No 1935/2004)	M
	AIR LEAKAGE TEST (As per client's Intertek In-House Method)	M
	LEAK PROOFNESS TEST (As per Intertek In-House Method)	#

NOTE: M = MEET REQUIREMENT

F = DO NOT MEET REQUIREMENT



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= NO SPECIFIED REQUIREMENT

N/A = NOT APPLICABLE

Note:

- 1.Statement of conformity is based on the Simple acceptance rule without using measurement uncertainty.
- 2.Laboratory reports the final test results in test report. Any additional information, if required will be provided on request.

AUTHORIZED BY
FOR INTERTEK INDIA PVT. LTD.

Kamal Sardhana

KAMAL SARDHANA
ASST. MANAGER - HARDLINE

Testing Remark: Aquifer plastic test result has been incorporated from report no. DELH23002487 & rest of all test results have been incorporated from report no. DELH23002637-REV1 as per applicant's request.



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TEST CONDUCTED:

1.TOTAL LEAD CONTENT:

Test Regulation: EC No. 1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 63

Method: Analysis Was Performed By ICP-MS/AAS

Tested Component	Test Result (ppm)	Requirement
Submitted Sample	COMPLIES Aquifer plastic: <10 ppm Natural Plastic: <10 ppm Silicon Gasket: <10 ppm	500 ppm

Detection Limit: 10 ppm

2.TOTAL CADMIUM CONTENT:

Test Regulation: EC No. 1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23

Method: Analysis Was Performed By ICP-OES

Tested Component	Test Result (ppm)	Requirement
Submitted Sample	COMPLIES Aquifer plastic: <10 ppm Natural Plastic: <10 ppm Silicon Gasket: <10 ppm	100 ppm

Detection Limit: 10 ppm

3.BISPHENOL-A CONTENT:

Method: By Solvent Extraction Followed By LC-MS/MS.

Tested Sample	Test Result (ppm) (1,2 & 3)	Requirement
Submitted Sample	COMPLIES Not Detected	Shall Not Contain Any Detectable Levels of Bisphenol-A (BPA)

Detection Limit: 0.1 ppm

Tested Item:

- 1.Aquifer plastic
- 2.Natural Plastic
- 3.Silicon Gasket

4.DISHWASHER SAFE TEST:

Method: As Per Intertek In-House Test Method (M0001-V05)

Test Condition:

Selected Cycle: Normal
Cycle Duration: 120 Minutes
Temperature Condition: 60°C
Detergent Used: Cascade
No. Of cycles: 10 Cycles

Tested Sample	Test Results / Observation	Requirement
Submitted Sample	COMPLIES (No visual change observed)	Shall not show any chipping, cracking, glaze crazing or other visual change in appearance.



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5.OVERALL MIGRATION:

As Per European Commission Regulation (EC) No.1935/2004 and (EU) No. 10/2011, EU 2020/1245- On Plastic Materials and Articles Intended to Come into Contact with Food

Test Method: With Reference to EN 1186-1:2002 For Selection of Test Condition and Test Method.

Simulant Used	Test Condition	Test Results (mg/dm ²) (1,2 & 3)	Requirement (mg/dm ²)
10% Ethanol	70°C for 2 Hours	< 5.0	10
3% Acetic Acid	70°C for 2 Hours	< 5.0	10
95% Ethanol	60°C for 2 Hours	< 5.0	10
Iso-Octane	40°C for 30 Minutes	< 5.0	10

Tested Item:

- 1.Aquifer plastic
- 2.Natural Plastic
- 3.Silicon Gasket

6.SPECIFIC MIGRATION OF HEAVY METAL (19 ELEMENTS):

As Per European Commission Regulation (EC) No.1935/2004 and (EU) No.10/2011, EU 2020/1245- On Plastic Materials and Articles Intended to Come into Contact with Food.

Method: With Reference to 13130-1:2004, Analysis Was Performed by ICP-MS/OES.

Simulant Used: 3% Acetic Acid

Test Condition: 70°C for 2 Hours

Test Parameter	Test Result (mg/kg) (1,2 & 3)			Requirement (mg/kg)
	1 st Migration	2 nd Migration	3 rd Migration	
Barium (Ba)	<0.1	<0.1	<0.1	1.0
Aluminum (Al)	<0.1	<0.1	<0.1	1.0
Cobalt (Co)	<0.03	<0.03	<0.03	0.05
Nickel (Ni)	<0.01	<0.01	<0.01	0.02
Copper (Cu)	<1	<1	<1	5.0
Iron (Fe)	<5	<5	<5	48.0
Zinc (Zn)	<1.0	<1.0	<1.0	5.0
Manganese (Mn)	<0.1	<0.1	<0.1	0.6
Lithium (Li)	<0.1	<0.1	<0.1	0.6
Chromium (Cr)	<0.01	<0.01	<0.01	0.01
Antimony (Sb)	<0.01	<0.01	<0.01	0.04
Arsenic (As)	<0.010	<0.010	<0.010	0.01
Cadmium (Cd)	<0.002	<0.002	<0.002	0.002
Lead (Pb)	<0.01	<0.01	<0.01	0.01
Mercury (Hg)	<0.01	<0.01	<0.01	0.01
Europium (Eu)	<0.01	<0.01	<0.01	0.05 (Sum)
Gadolinium (Gd)	<0.01	<0.01	<0.01	
Lanthanum (La)	<0.01	<0.01	<0.01	
Terbium (Tb)	<0.01	<0.01	<0.01	

Tested Item:

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Note:

Result of 3rd migration < SML, and
Result of 1st migration ≥ 2nd migration ≥ 3rd migration after consideration of result uncertainty.
Result of 1st, 2nd and 3rd migration < SML when SML limit is Not Detected (ND)

7. FREEZER SAFE TEST:

Method: As Per Intertek In-House Test Method(M0004-V03)

Test Condition:

Temperature of freezer: -18°F

Exposure period: 24 Hours

Tested Sample	Test Results / Observation	Requirement
Submitted Sample	COMPLIES (No discoloration, cracking, crazing, chipping, permanent deformation observed & No functionality loss observed)	No discoloration, cracking, crazing, chipping, permanent deformation, No functionality loss

8. MICROWAVE SAFE TEST:

Method: As Per Intertek In-House Test Method (M0002-V02)

No of cycles: 06 Cycles

Tested Sample	Test Results / Observation	Requirement
Submitted Sample	(No any chipping, cracking, crazing or other change from the original state is rated as failure observed)	No any chipping, cracking, crazing or other change from the original state is rated as failure

09. VOLATILE ORGANIC MATTER (VOM):

With Reference To (EC) No 1935/2004.

Method: In House Test Method

Test Condition: 200°C for 4 Hours

Tested Sample	Test Result (%)	Requirement (%)
Submitted Sample	0.45	<0.5

Tested Item: Silicone Gasket

11. AIR LEAKAGE TEST:

Method: As per Intertek In-House method

Duration	Test Results		Client's Requirement
	A1	A2	
DAY- 0	289.037	290.048	X < 0.10% 100% Air-Tight
DAY- 1	290.058	291.057	
DAY- 2	291.041	292.032	
DAY- 3	292.048	293.071	
DAY- 4	293.066	294.063	
DAY- 5	294.059	295.051	0.10% ≤ x ≤ 0.60% Can be Air-Tight
D5 – D0 D0	0.02%	0.02%	
Rating	100% Air-Tight	100% Air-Tight	X > 0.60% Not Air Tight
			--

Tested Item: Soup Mug with Lid

: A1-As received sample

: A2- After dishwashing



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11. LEAK PROOFNESS TEST:

Method: As per Intertek In-House Method

Tested Sample	Test Results / Observation	Requirement
Submitted Sample	(No any leakage observed)	/

END OF TEST REPORT
This report is made solely based on your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis, and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or willful misconduct.

