

**TEST REPORT**



**TEST REPORT**

**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:** PRISM SQUARE CONTAINER (5 PC SET) (6600ML)

DATE RECEIVED : 10<sup>TH</sup> MAY, 2023  
TEST PERFORMANCE DATE : 10<sup>TH</sup> MAY, 2023 TO 20<sup>TH</sup> JUNE, 2023  
BUYER'S NAME : --  
BUYING AGENT/ CONTACT : --  
ORDER NO. : --  
BAR CODE : 8902084014541  
STYLE NO. : HSN CODE: 39241090  
COLOR : PURPLE, LILAC, BLUE, GREEN & YELLOW  
END USE : FOOD STORAGE  
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, FREEZER SAFE TEST, OVERALL MIGRATION, SPECIFIC MIGRATION OF HEAVY METALS (19 ELEMENTS)**  
FOR FURTHER DETAILS PLEASE REFER TO THE ENCLOSED PAGE (S).

**CONCLUSION:**

TESTED SAMPLE	TEST PARAMETERS/STANDARD	RESULT
SUBMITTED SAMPLE	<b>TOTAL LEAD CONTENT</b> (With Reference to Regulation (EC) No.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 63)	M
	<b>TOTAL CADMIUM CONTENT</b> (With Reference to Regulation (EC) NO.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23)	M
	<b>BISPHENOL-A CONTENT</b> (By Solvent Extraction Followed By LC-MS/MS)	M
	<b>DISHWASHER SAFE TEST</b> (As Per Intertek In-House Test Method (M0001-V05))	M
	<b>FREEZER SAFE TEST</b> (As Per Intertek In-House Test Method(M0004-V03))	M
	<b>OVERALL MIGRATION</b> 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
	<b>SPECIFIC MIGRATION OF HEAVY METALS (19 ELEMENTS)</b> (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
	<b>MICROWAVE SAFE TEST</b> As Per Intertek In-House Test Method (M0002-V02)	M
	<b>AIR LEAKAGE TEST</b> (As Per Intertek In-House Test Method)	M

NOTE: M = MEET REQUIREMENT F = DO NOT MEET REQUIREMENT  
# = 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.



NUMBER : DELH23006359 Rev-1  
DATE : 21<sup>ST</sup> JUNE, 2023  
Rev Date : 13<sup>TH</sup> JULY 2023

## TEST REPORT

**Revision Remark:** Test report has been revised to add Microwave safe test & Air Leakage test as per applicant request.

AUTHORIZED BY  
FOR INTERTEK INDIA PVT. LTD.

*Kamal Sardhana*

KAMAL SARDHANA  
ASST. MANAGER - HARDLINE

**Testing Remark:** Only purple plastic testing has been performed and rest of all test results have been incorporated from report no. DELH23006358 as per applicant's request.



**TEST REPORT**

**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	<b>COMPLIES</b> Purple Plastic: <10 ppm Lilac Plastic: <10 ppm Blue Plastic: <10 ppm Green Plastic: <10 ppm Yellow Plastic: <10 ppm Transparent Plastic: <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	<b>COMPLIES</b> Purple Plastic: <10 ppm Lilac Plastic: <10 ppm Blue Plastic: <10 ppm Green Plastic: <10 ppm Yellow Plastic: <10 ppm Transparent Plastic: <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) (1,2,3,4,5 & 6)	Requirement
Submitted Sample	<b>COMPLIES</b> Not Detected	Shall Not Contain Any Detectable Levels of Bisphenol-A (BPA)

Detection Limit: 0.1 ppm

**Tested Item:**

1. Purple Plastic
2. Lilac Plastic
3. Blue Plastic
4. Green Plastic
5. Yellow Plastic
6. Transparent Plastic



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**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	<b>COMPLIES</b> (No visual change observed)	Shall not show any chipping, cracking, glaze crazing or other visual change in appearance.

**Tested Item:**

1. Plastic Container

**5. 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	<b>COMPLIES</b> (No discoloration, cracking, crazing, chipping, permanent deformation observed & No functionality loss observed)	No discoloration, cracking, crazing, chipping, permanent deformation, No functionality loss

**Tested Item:**

1. Plastic Container



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**6.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 <sup>2</sup> ) (1,2,3,4,5 & 6)			Requirement (mg/dm <sup>2</sup> )
		1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration	
10% Ethanol	40°C for 10 Days	< 5.0	< 5.0	< 5.0	10
3% Acetic Acid	40°C for 10 Days	< 5.0	< 5.0	< 5.0	10
95% Ethanol	40°C for 10 Days	< 5.0	< 5.0	< 5.0	10
Iso-Octane	20°C for 2 Days	< 5.0	< 5.0	< 5.0	10

**Tested Item:**

- 1.Purple Plastic
- 2.Lilac Plastic
- 3.Blue Plastic
- 4.Green Plastic
- 5.Yellow Plastic
6. Transparent Plastic

**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)



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NUMBER : DELH23006359  
DATE : 21<sup>ST</sup> JUNE, 2023

**7. 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:** 40°C for 10 Days

Test Parameter	Test Result (mg/kg) (1,2,3,4,5 & 6)			Requirement (mg/kg)
	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> 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:**

- 1.Purple Plastic
- 2.Lilac Plastic
- 3.Blue Plastic
- 4.Green Plastic
- 5.Yellow Plastic
- 6.Transparent Plastic

**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)



**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	<b>COMPLIES</b> (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

**Tested Item:**

1. Plastic Container

**9. AIR LEAKAGE TEST:**

**Method:** (As Per Intertek In-House Test Method)

Duration	Test Result		Client's Requirement
	A1	A2	
DAY- 0	99.321	102.533	X < 0.10% 100% Air-Tight  0.10% ≤ x ≤ 0.60% Can be Air-Tight  X > 0.60% Not Air Tight
DAY- 1	99.323	102.534	
DAY- 2	99.325	102.536	
DAY- 3	99.326	102.537	
DAY- 4	99.328	102.538	
DAY- 5	99.329	102.539	
<b>D5 – D0</b> <b>D0</b>	0.008%	0.006%	
<b>Rating</b>	100% Air-Tight	100% Air-Tight	--

**Tested Item:**

1. Plastic Container

A1-As received sample

A2- After 1 cycle dishwashing

**# END OF TEST REPORT #**

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