

## **TEST REPORT**

: DELH23002637-REV1-W : 06<sup>TH</sup> MAY, 2023 NUMBER

DATE







DATE : 06<sup>TH</sup> MAY, 2023

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: LOCK & SAFE CONTAINER 230R X 3 (690 ML) (ALL TIME) (ASSORTED) (3 PC SET)

DATE RECEIVED : 04<sup>TH</sup> MAR, 2023

TEST PERFORMANCE DATE : 04<sup>TH</sup> MAR, 2023 TO 05<sup>TH</sup> APRIL, 2023

BUYER'S NAME : --BUYING AGENT/ CONTACT : --ORDER NO. : --

BAR CODE : 8902084006508 STYLE NO. : HSN CODE: 39241090

COLOR : NATURAL

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, FREEZER SAFE TEST, MICROWAVE SAFE TEST, AIR LEAKAGE TEST, LEAK PROOFNESS TEST, OVERALL MIGRATION, SPECIFIC MIGRATION OF HEAVY METALS (19 ELEMENTS), VOLATILE ORGANIC MATTER (VOM) FOR FURTHER DETAILS PLEASE REFER TO THE ENCLOSED PAGE (S).

### **CONCLUSION:**

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

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

# = NO SPECIFIED REQUIREMENT N/A = NOT APPLICABLE



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#### 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

ASST. MANAGER - HARDLINE

Testing Remark: 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
	COMPLIES	
Submitted Sample	Natural Plastic: <10 ppm	500 ppm
	Silicon Gasket: <10 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
	COMPLIES	
Submitted Sample	Natural Plastic: <10 ppm	100 ppm
	Silicon Gasket: <10 ppm	

Detection Limit: 10 ppm

### 3.BISPHENOL-A CONTENT:

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

Tested Sample	Test Result (ppm)	Requirement
Colonitto d Commit	COMPLIES	Shall Not Contain Any Detectable Levels of
Submitted Sample	Not Detected	Bisphenol-A (BPA)

Detection Limit: 0.1 ppm

Tested Item: Natural plastic + 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: 05 Cycles

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





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**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
	COMPLIES	No discoloration, cracking, crazing,
Submitted Sample	(No discoloration, cracking, crazing, chipping, permanent	chipping, permanent deformation,
	deformation observed & No functionality loss observed)	No functionality loss

## 6.MICROWAVE SAFE TEST:

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

No of cycles: 06 Cycles

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

### 7.LEAK PROOFNESS TEST

Method: As per client's specification

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

# 8.AIR LEAKAGE TEST:

Method: As per client's specification

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

Tested Item: Lock & Safe Container

A1-As received sample A2- After dishwashing





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#### 9. 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/dm²)			Beguirement (mg/dm²)
Simulant Used	rest Condition	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration	Requirement (mg/dm²)
10% Ethanol	100°C for 2 Hours	< 5.0	< 5.0	< 5.0	10
3% Acetic Acid	100°C for 2 Hours	< 5.0	< 5.0	< 5.0	10
95% Ethanol	60°C for 3.5 Hours	< 5.0	< 5.0	< 5.0	10
Iso-Octane	60°C for 1.5 Hours	< 5.0	< 5.0	< 5.0	10

Tested Item: Natural plastic + Lid

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)

### 10.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: 100°C for 2 Hours

Test Parameter		Test Result (mg/kg) (1 & 2)			
	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		
Gadolinium (Gd)	<0.01	<0.01	<0.01		
Lanthanum (La)	<0.01	<0.01	<0.01	0.05 (Sum)	
Terbium (Tb)	<0.01	<0.01	<0.01		

Tested Item: Natural plastic + Lid

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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# 11. 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

#### # END OF TEST REPORT #

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