

**TEST REPORT**

NUMBER : DELH23002922-AX  
DATE : 06<sup>TH</sup> APRIL, 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:** PLASTIC STRAINER WITH S.S MESH (8.5 CM) (ASSORTED)

DATE RECEIVED : 11<sup>TH</sup> MAR, 2023  
TEST PERFORMANCE DATE : 11<sup>TH</sup> MAR, 2023 TO 05<sup>TH</sup> APRIL, 2023  
BUYER'S NAME : --  
BUYING AGENT/ CONTACT : --  
ORDER NO. : --  
BAR CODE : 8902084000919  
STYLE NO. : HSN CODE: 39241090  
COLOR : INDIGO BODY AND STAINLESS-STEEL MESH  
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), RESISTANCE TO CORROSION, METAL COMPOSITION**  
FOR FURTHER DETAILS PLEASE REFER TO THE ENCLOSED PAGE (S).

**CONCLUSION:**

TESTED SAMPLE	TEST PARAMETERS/STANDARD	RESULT
<b>SUBMITTED SAMPLE</b>	<b>TOTAL LEAD CONTENT</b> (With Reference to Regulation (EC) No.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 63)	<b>M</b>
	<b>TOTAL CADMIUM CONTENT</b> (With Reference to Regulation (EC) NO.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23)	<b>M</b>
	<b>BISPHENOL-A CONTENT</b> (By Solvent Extraction Followed By LC-MS/MS)	<b>M</b>
	<b>DISHWASHER SAFE TEST</b> (As Per Intertek In-House Test Method (M0001-V05))	<b>M</b>
	<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)	<b>M</b>
	<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.)	<b>M</b>
	<b>RESISTANCE TO CORROSION</b> (As Per ASTM B 117: 2019 (Mod.))	<b>#</b>
	<b>METAL COMPOSITION</b> (Spectrometer Analysis)	<b>#</b>

NOTE: M = MEET REQUIREMENT  
# = NO SPECIFIED REQUIREMENT

F = DO NOT MEET REQUIREMENT  
N/A = NOT APPLICABLE

Note:

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



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AUTHORIZED BY  
FOR INTERTEK INDIA PVT. LTD.

*Kamal Sardhana*

KAMAL SARDHANA  
ASST. MANAGER - HARDLINE

**Testing Remark:** The test result of Stainless-Steel Mesh has been incorporated from report no. DELH23000939 & rest of all tests results have been incorporated from report no. DELH23002922 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	<b>COMPLIES</b> Indigo Plastic: <10 ppm Stainless-Steel Mesh: <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> Indigo Plastic: <10 ppm Stainless-Steel Mesh: <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)	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:** Indigo plastic

**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	<b>COMPLIES</b> (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 <sup>2</sup> )			Requirement (mg/dm <sup>2</sup> )
		1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration	
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:** Submitted Sample

**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)

**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:** 100°C for 2 Hours

Test Parameter	Test Result (mg/kg)			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:** Submitted Sample

**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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**7. RESISTANCE TO CORROSION:**

**Method:** As Per ASTM B 117:2019 (Mod.)

**Testing Condition:** (Neutral Salt Spray)

- (1) Sodium Chloride (NaCl) Solution Concentration: 10.6 gm/L
- (2) Fog Collection Volume: 1-2 ml/hrs.
- (3) pH: 6.78
- (4) Chamber Temperature: 35°C
- (5) Date of Loading: 30/01/2023
- (6) Date of Unloading: 31/01/2023
- (7) Exposure Period: 24 Hours

Tested Sample	Observation / Test Result	Requirement
Submitted Sample	(No visual change observed)	Not Provided

**Tested Item:** Stainless-Steel Mesh

**8. METAL COMPOSITION:**

**Method:** Spectrometer Analysis.

Sr. No	Elements	Result (%)
1	Iron	71.1
2	Chromium	18.07
3	Nickel	8.11
4	Manganese	1.67
5	Copper	0.47
6	Molybdenum	0.43

**Tested Item:** Stainless-Steel Mesh

**Note:** Sample was subcontracted and tested in Intertek's approved laboratory.

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**# END OF TEST REPORT #**

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