

**TEST REPORT**

NUMBER : DELH23002923-BF  
DATE : 06<sup>TH</sup> APRIL, 2023



**TEST REPORT**

NUMBER : DELH23002923-BF  
DATE : 06<sup>TH</sup> APRIL, 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:** FREEZE BOTTLE (1000 ML)

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 : 8902084037410  
STYLE NO. : HSN CODE: 39241090  
COLOR : MOONLIGHT  
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, 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
<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>FREEZER SAFE TEST</b> (As Per Intertek In-House Test Method(M0004-V03))	<b>M</b>
	<b>MICROWAVE SAFE TEST</b> As Per Intertek In-House Test Method (M0002-V02)	<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>

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.



**TEST REPORT**

NUMBER : DELH23002923-BF  
DATE : 06<sup>TH</sup> APRIL, 2023

AUTHORIZED BY  
FOR INTERTEK INDIA PVT. LTD.

*Kamal Sardhana*

KAMAL SARDHANA  
ASST. MANAGER - HARDLINE

**Testing Remark:** Test results have been incorporated from report no. DELH23002923 as per applicant's request.



**TEST REPORT**

NUMBER : DELH23002923-BF  
DATE : 06<sup>TH</sup> APRIL, 2023

**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> Moonlight 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> Moonlight 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)	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:** Moonlight 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.

**Tested Item:** Moonlight plastic



**TEST REPORT**

NUMBER : DELH23002923-BF  
DATE : 06<sup>TH</sup> APRIL, 2023

**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:** Moonlight plastic

**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
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

**Tested Item:** Moonlight plastic

**8. 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:** Moonlight 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)



**TEST REPORT**

NUMBER : DELH23002923-BF  
DATE : 06<sup>TH</sup> APRIL, 2023

**9. 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:** Moonlight 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)

\*\*\*\*\*

**# 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.*



**TEST REPORT**

NUMBER : DELH23002923-BG  
DATE : 06<sup>TH</sup> APRIL, 2023



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NUMBER : DELH23002923-BG  
DATE : 06<sup>TH</sup> APRIL, 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:** FREEZE BOTTLE (1000 ML)

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 : 8902084037410  
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, 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
<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>FREEZER SAFE TEST</b> (As Per Intertek In-House Test Method(M0004-V03))	<b>M</b>
	<b>MICROWAVE SAFE TEST</b> As Per Intertek In-House Test Method (M0002-V02)	<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>

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.





**TEST REPORT**

NUMBER : DELH23002923-BG  
DATE : 06<sup>TH</sup> APRIL, 2023

AUTHORIZED BY  
FOR INTERTEK INDIA PVT. LTD.

*Kamal Sardhana*

KAMAL SARDHANA  
ASST. MANAGER - HARDLINE

**Testing Remark:** Test results have been incorporated from report no. DELH23002923 as per applicant's request.



**TEST REPORT**

NUMBER : DELH23002923-BG  
DATE : 06<sup>TH</sup> APRIL, 2023

**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> Natural 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> Natural 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)	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:** Natural 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.

**Tested Item:** Natural plastic



**TEST REPORT**

NUMBER : DELH23002923-BG  
DATE : 06<sup>TH</sup> APRIL, 2023

**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:** Natural plastic

**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
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

**Tested Item:** Natural plastic

**8.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:** Natural 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)



**TEST REPORT**

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

**9. 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:** Natural 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)

**# 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.*



**TEST REPORT**

NUMBER : DELH23002922-BF  
DATE : 28<sup>TH</sup> APRIL, 2023



**TEST REPORT**

NUMBER : DELH23002922-BF  
DATE : 28<sup>TH</sup> APRIL, 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:** FREEZE BOTTLE (1000 ML)

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 : 8902084037410  
STYLE NO. : HSN CODE: 39241090  
COLOR : INDIGO  
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, 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
<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>FREEZER SAFE TEST</b> (As Per Intertek In-House Test Method(M0004-V03))	<b>M</b>
	<b>MICROWAVE SAFE TEST</b> As Per Intertek In-House Test Method (M0002-V02)	<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>

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:** Test results have been incorporated from report no. DELH23002922 as per applicant's request.



**TEST REPORT**

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DATE : 28<sup>TH</sup> APRIL, 2023

**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	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	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.

**Tested Item:** Indigo plastic





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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
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:** Indigo plastic

**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
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

**Tested Item:** Indigo plastic

**8.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:** Indigo 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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**9. 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:** Indigo 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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**# END OF TEST REPORT #**

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