

NUMBER DATE

: DELH23002487-DK : 29TH APRIL, 2023



290, Udyog Vihar, Phase-II, Gurgaon, Haryana –122016. Registered Office : E-20, Block B-1, Mohan Co-Operative Industrial Area, Mathura Road, . New Delhi -110044.







NUMBER : DELH23002487-DK DATE : 29TH 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: GLASS 300 (1800 ML) (6 PC SET)

DATE RECEIVED TEST PERFORMANCE DATE	:	01 ST MAR, 2023 01 ST MAR, 2023 TO 28 TH MAR, 2023
BUYER'S NAME		
BUYING AGENT/ CONTACT	:	
ORDER NO.	:	
BAR CODE	:	8902084026414
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, 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
	TOTAL LEAD CONTENT (With Reference to Regulation (EC) No.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 63)	м
	TOTAL CADMIUM CONTENT (With Reference to Regulation (EC) NO.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23)	м
	BISPHENOL-A CONTENT (By Solvent Extraction Followed By LC-MS/MS)	
	DISHWASHER SAFE TEST (As Per Intertek In-House Test Method (M0001-V05))	М
SUBMITTED SAMPLE	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)	М
	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.)	М
	FREEZER SAFE TEST (As Per Intertek In-House Test Method(M0004-V03))	Μ
	MICROWAVE SAFE TEST As Per Intertek In-House Test Method (M0002-V02)	М

NOTE: M = MEET REQUIREMENT # = NO SPECIFIED REQUIREMENT F = DO NOT MEET 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.

Intertek India Pvt. Ltd. 290, Udyog Vihar, Phase-II, Gurgaon, Haryana –122016. Registered Office : E-20, Block B-1, Mohan Co-Operative Industrial Area, Mathura Road, New Delhi -110044.

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KAMAL SARDHANA ASST. MANAGER - HARDLINE

Testing Remark: Test results have been incorporated from report no. DELH23002487 as per applicant's request.

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NUMBER : DELH23002487-DK DATE : 29TH 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	COMPLIES 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	COMPLIES	100 ppm
Cashing Campio	Moonlight plastic: <10 ppm	pp

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	COMPLIES	Shall Not Contain Any Detectable Levels of
1	Not Detected	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: 10 Cycles

 Tested Sample

 Test Results / Observation

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

Tested Item: Moonlight plastic

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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/dm²)	Requirement (mg/dm²)
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: Moonlight plastic

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 st Migration	2 nd Migration	3 rd Migration	Requirement (mg/kg)		
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	<0.1	0.6		
Chromium (Cr)	<0.01	<0.01	<0.01	0.01		
Antimony (Sb)	<0.01	<0.01	<0.01	0.04 0.01		
Arsenic (As)	<0.010	<0.010	<0.010			
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: Moonlight plastic

Note:

Result of 3rd migration < SML, and Result of 1st migration \ge 2nd migration \ge 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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 29TH APRIL, 2023

Requirement

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

· · · · · · · · · · · · · · · · · · ·		
	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
	· · · · · · · · · · · · · · · · · · ·	

Tested Item: Moonlight plastic

8.MICROWAVE SAFE TEST:

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

	NO OI CYCLES. 00 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

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.

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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: GLASS 300 (1800 ML) (6 PC SET)

DATE RECEIVED TEST PERFORMANCE DATE	:	01 ST MAR, 2023 01 ST MAR, 2023 TO 28 TH MAR, 2023
BUYER'S NAME	:	
BUYING AGENT/ CONTACT	:	
ORDER NO.	:	
BAR CODE	:	8902084026414
STYLE NO.	:	HSN CODE: 39241090
COLOR	:	GREY
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, 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
	TOTAL LEAD CONTENT (With Reference to Regulation (EC) No.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 63)	м
	TOTAL CADMIUM CONTENT (With Reference to Regulation (EC) NO.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23)	м
	BISPHENOL-A CONTENT (By Solvent Extraction Followed By LC-MS/MS)	
	DISHWASHER SAFE TEST (As Per Intertek In-House Test Method (M0001-V05))	М
SUBMITTED SAMPLE	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)	м
	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.)	М
	FREEZER SAFE TEST (As Per Intertek In-House Test Method(M0004-V03))	Μ
	MICROWAVE SAFE TEST As Per Intertek In-House Test Method (M0002-V02)	М

NOTE: M = MEET REQUIREMENT # = NO SPECIFIED REQUIREMENT F = DO NOT MEET 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.

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: DELH23002487-CH : 29TH APRIL, 2023

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KAMAL SARDHANA ASST. MANAGER - HARDLINE

Testing Remark: Test results have been incorporated from report no. DELH23002487 as per applicant's request.

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NUMBER 29TH APRIL, 2023 DATE :

: DELH23002487-CH

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	500 ppm
	Grey plastic: <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
Submitted Sample	COMPLIES Grey 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	COMPLIES	Shall Not Contain Any Detectable Levels of
1	Not Detected	Bisphenol-A (BPA)

Detection Limit: 0.1 ppm

Tested Item: Grey 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: 10 Cycles

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

Tested Item: Grey plastic

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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/dm²)	Requirement (mg/dm²)
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: Grey plastic

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 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		
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	1	

Tested Item: Grey plastic

Note:

Result of 3rd migration < SML, and Result of 1st migration \ge 2nd migration \ge 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
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 DATE
 :
 29TH APRIL, 2023

Requirement

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

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

Tested Item: Grey plastic

8.MICROWAVE SAFE TEST:

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

 NO OI CYCLES. 00 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: Grey plastic

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.

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ATTN: ZARIR PATEL

SAMPLE DESCRIPTION: GLASS 300 (1800 ML) (6 PC SET)

DATE RECEIVED TEST PERFORMANCE DATE	:	01 ST MAR, 2023 01 ST MAR, 2023 TO 28 TH MAR, 2023
BUYER'S NAME		
BUYING AGENT/ CONTACT	:	
ORDER NO.	:	
BAR CODE	:	8902084026414
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, 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
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	TOTAL CADMIUM CONTENT (With Reference to Regulation (EC) NO.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23)	м
	BISPHENOL-A CONTENT (By Solvent Extraction Followed By LC-MS/MS)	М
	DISHWASHER SAFE TÉST (As Per Intertek In-House Test Method (M0001-V05))	Μ
SUBMITTED SAMPLE	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)	Μ
	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.)	Μ
	FREEZER SAFE TEST (As Per Intertek In-House Test Method(M0004-V03))	Μ
	MICROWAVE SAFE TEST As Per Intertek In-House Test Method (M0002-V02)	М

NOTE: M = MEET REQUIREMENT # = NO SPECIFIED REQUIREMENT F = DO NOT MEET REQUIREMENT N/A = NOT APPLICABLE

Note:

1.Statement of conformity is based on the Simple acceptance rule without using measurement uncertainty.

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: DELH23002487-CJ : 29TH APRIL, 2023

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KAMAL SARDHANA ASST. MANAGER - HARDLINE

Testing Remark: Test results have been incorporated from report no. DELH23002487 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	500 ppm
	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	COMPLIES 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	COMPLIES	Shall Not Contain Any Detectable Levels of
1	Not Detected	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: 10 Cycles

 Tested Sample

 Test Results / Observation

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.

Tested Item: Indigo plastic

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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/dm²)	Requirement (mg/dm²)
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: Indigo plastic

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 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	
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: Indigo plastic

Note:

Result of 3rd migration < SML, and Result of 1st migration \ge 2nd migration \ge 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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Requirement

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

	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
	, ,	,

Tested Item: Indigo plastic

8.MICROWAVE SAFE TEST:

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

NO OI CYCIES. 00 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

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.

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