

TEST REPORT

NUMBER : DELH23002636-AF
DATE : 06TH APRIL, 2023



TEST REPORT

NUMBER : DELH23002636-AF
DATE : 06TH 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: POLKA CONTAINER 514 (2800 ML)

DATE RECEIVED : 04TH MAR, 2023
TEST PERFORMANCE DATE : 04TH MAR, 2023 TO 05TH APRIL, 2023
BUYER'S NAME : --
BUYING AGENT/ CONTACT : --
ORDER NO. : --
BAR CODE : 8902084041813
STYLE NO. : HSN CODE: 39241090
COLOR : BLUSH & 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, 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 | TOTAL LEAD CONTENT (With Reference to Regulation (EC) No.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 63) | M |
| | TOTAL CADMIUM CONTENT (With Reference to Regulation (EC) NO.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23) | M |
| | BISPHENOL-A CONTENT (By Solvent Extraction Followed By LC-MS/MS) | M |
| | DISHWASHER SAFE TEST (As Per Intertek In-House Test Method (M0001-V05)) | M |
| | FREEZER SAFE TEST (As Per Intertek In-House Test Method(M0004-V03)) | M |
| | MICROWAVE SAFE TEST As Per Intertek In-House Test Method (M0002-V02) | M |
| | AIR LEAKAGE TEST (As per client's specification) | M |
| | 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) | M |
| | 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.) | M |

NOTE: M = MEET REQUIREMENT F = DO NOT MEET REQUIREMENT
= NO SPECIFIED 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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NUMBER : DELH23002636-AF
DATE : 06TH 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. DELH23002636 as per applicant's request.



TEST REPORT

NUMBER : DELH23002636-AF
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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 Natural Plastic: <10 ppm Blush 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 Natural Plastic: <10 ppm Blush 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) | Requirement |
|------------------|---------------------------------|--|
| Submitted Sample | COMPLIES Not Detected | Shall Not Contain Any Detectable Levels of Bisphenol-A (BPA) |

Detection Limit: 0.1 ppm

Tested Item:

1. Natural plastic
2. Blush 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 | COMPLIES (No visual change observed) | Shall not show any chipping, cracking, glaze crazing or other visual change in appearance. |

Tested Item: Natural Container



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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 | COMPLIES (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 Container

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 | COMPLIES (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 Container

7. AIR LEAKAGE TEST:

Method: As per client's specification

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

Tested Item: Natural Container

- : A1-As received sample
- : A2- After dishwashing



TEST REPORT

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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 ²) (1 & 2) | | | Requirement (mg/dm ²) |
|----------------|--------------------|---|---------------------------|---------------------------|-----------------------------------|
| | | 1 st Migration | 2 nd Migration | 3 rd 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:

- 1.Natural plastic
- 2.Blush 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 : DELH23002636-AF
DATE : 06TH 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) (1 & 2) | | | Requirement (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 | 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.Natural plastic
- 2.Blush 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-AA
DATE : 06TH APRIL, 2023



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NUMBER : DELH23002922-AA
DATE : 06TH 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: POLKA CONTAINER 514 (2800 ML)

DATE RECEIVED : 11TH MAR, 2023
TEST PERFORMANCE DATE : 11TH MAR, 2023 TO 05TH APRIL, 2023
BUYER'S NAME : --
BUYING AGENT/ CONTACT : --
ORDER NO. : --
BAR CODE : 8902084041813
STYLE NO. : HSN CODE: 39241090
COLOR : NATURAL AND 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, AIR LEAKAGE 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 | TOTAL LEAD CONTENT (With Reference to Regulation (EC) No.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 63) | M |
| | TOTAL CADMIUM CONTENT (With Reference to Regulation (EC) NO.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23) | M |
| | BISPHENOL-A CONTENT (By Solvent Extraction Followed By LC-MS/MS) | M |
| | DISHWASHER SAFE TEST (As Per Intertek In-House Test Method (M0001-V05)) | M |
| | FREEZER SAFE TEST (As Per Intertek In-House Test Method(M0004-V03)) | M |
| | MICROWAVE SAFE TEST As Per Intertek In-House Test Method (M0002-V02) | M |
| | AIR LEAKAGE TEST (As per client's specification) | M |
| | 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) | M |
| | 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.) | M |

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



TEST REPORT

NUMBER : DELH23002922-AA
DATE : 06TH 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. DELH23002922 as per applicant's request



TEST REPORT

NUMBER : DELH23002922-AA
DATE : 06TH 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 Natural Plastic: <10 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 Natural Plastic: <10 ppm 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) (1 & 2) | Requirement |
|------------------|---------------------------------|--|
| Submitted Sample | COMPLIES Not Detected | Shall Not Contain Any Detectable Levels of Bisphenol-A (BPA) |

Detection Limit: 0.1 ppm

Tested Item:

1. Natural plastic
2. 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 | COMPLIES (No visual change observed) | Shall not show any chipping, cracking, glaze crazing or other visual change in appearance. |

Tested Item: Natural 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 | COMPLIES (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

7. AIR LEAKAGE TEST:

Method: As per client's specification

| Duration | Test Results | | Client's Requirement |
|-----------------------------|----------------|----------------|---------------------------------------|
| | A1 | A2 | |
| DAY- 0 | 107.032 | 108.043 | X < 0.10% 100% Air-Tight |
| DAY- 1 | 108.048 | 109.057 | |
| DAY- 2 | 109.071 | 110.061 | |
| DAY- 3 | 110.032 | 111.027 | 0.10% ≤ x ≤ 0.60% Can be Air-Tight |
| DAY- 4 | 111.027 | 112.048 | |
| DAY- 5 | 112.018 | 113.032 | |
| D5 – D0 D0 | 0.04% | 0.04% | X > 0.60% Not Air Tight |
| Rating | 100% Air-Tight | 100% Air-Tight | -- |

Tested Item: Natural plastic

: A1-As received sample

: A2- After dishwashing



TEST REPORT

NUMBER : DELH23002922-AA
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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 ²) (1 & 2) | | | Requirement (mg/dm ²) |
|----------------|--------------------|---|---------------------------|---------------------------|-----------------------------------|
| | | 1 st Migration | 2 nd Migration | 3 rd 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:

1. Natural plastic
2. 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)



TEST REPORT

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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) (1 & 2) | | | Requirement (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 | 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.Natural plastic
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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.



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PLOT NO. 377/1 (1&2) & 371/1(C), KACHIGAM CHAR RASTA,
BEHIND STONE QUARRY, DAMAN (U.T.) 396210

ATTN: ZARIR PATEL

SAMPLE DESCRIPTION: POLKA CONTAINER 514 (2800 ML)

DATE RECEIVED : 11TH MAR, 2023
TEST PERFORMANCE DATE : 11TH MAR, 2023 TO 05TH APRIL, 2023
BUYER'S NAME : --
BUYING AGENT/ CONTACT : --
ORDER NO. : --
BAR CODE : 8902084041813
STYLE NO. : HSN CODE: 39241090
COLOR : NATURAL AND 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, AIR LEAKAGE 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 | TOTAL LEAD CONTENT (With Reference to Regulation (EC) No.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 63) | M |
| | TOTAL CADMIUM CONTENT (With Reference to Regulation (EC) NO.1907/2006 (REACH) And Its Amendments, Annex XVII, Entry 23) | M |
| | BISPHENOL-A CONTENT (By Solvent Extraction Followed By LC-MS/MS) | M |
| | DISHWASHER SAFE TEST (As Per Intertek In-House Test Method (M0001-V05)) | M |
| | FREEZER SAFE TEST (As Per Intertek In-House Test Method(M0004-V03)) | M |
| | MICROWAVE SAFE TEST As Per Intertek In-House Test Method (M0002-V02) | M |
| | AIR LEAKAGE TEST (As per client's specification) | M |
| | 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) | M |
| | 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.) | M |

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



TEST REPORT

NUMBER : DELH23002923-AF
DATE : 06TH 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-AF
DATE : 06TH 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 Natural Plastic: <10 ppm 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 Natural Plastic: <10 ppm 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) (1 & 2) | Requirement |
|------------------|---------------------------------|--|
| Submitted Sample | COMPLIES Not Detected | Shall Not Contain Any Detectable Levels of Bisphenol-A (BPA) |

Detection Limit: 0.1 ppm

Tested Item:

1. Natural plastic
2. 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 | COMPLIES (No visual change observed) | Shall not show any chipping, cracking, glaze crazing or other visual change in appearance. |

Tested Item: Natural 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 | COMPLIES (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

7. AIR LEAKAGE TEST:

Method: As per client's specification

| Duration | Test Results | | Client's Requirement |
|-----------------------------|----------------|----------------|---------------------------------------|
| | A1 | A2 | |
| DAY- 0 | 128.034 | 129.041 | X < 0.10% 100% Air-Tight |
| DAY- 1 | 129.051 | 130.029 | |
| DAY- 2 | 130.072 | 131.011 | |
| DAY- 3 | 131.091 | 132.021 | 0.10% ≤ x ≤ 0.60% Can be Air-Tight |
| DAY- 4 | 132.191 | 133.011 | |
| DAY- 5 | 133.111 | 134.026 | |
| D5 – D0 D0 | 0.03% | 0.04% | X > 0.60% Not Air Tight |
| Rating | 100% Air-Tight | 100% Air-Tight | -- |

Tested Item: Natural plastic

- : A1-As received sample
- : A2- After dishwashing



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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 ²) (1 & 2) | | | Requirement (mg/dm ²) |
|----------------|--------------------|---|---------------------------|---------------------------|-----------------------------------|
| | | 1 st Migration | 2 nd Migration | 3 rd 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:

- 1.Natural plastic
- 2.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)



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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) (1 & 2) | | | Requirement (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 | 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.Natural plastic
- 2.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

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