

NUMBER : DELH21012618REV.01- L

TEST REPORT

DATE : 14TH SEP, 2021
REV. DATE: 25TH NOV, 2021



ORIGINAL SAMPLE

TEST REPORT

DATE : 14TH SEP, 2021
REV. DATE: 25TH NOV, 2021

APPLICANT: ALL TIME PLASTICS PVT.LTD.
PLOT NO. 377/1/1&2), KACHIGAM, CHAR RASTA, DAMAN - 396210

ATTN: ZARIR PATEL

SAMPLE DESCRIPTION : POLKA CONTAINER 512 (3000 ML) (ASSORTED)

DATE RECEIVED : 25TH JULY, 2021
BUYER'S NAME : --
BUYING AGENT/ CONTACT : --
ITEM CODE : 408431-30
HSN CODE : 39241090
BARCODE : 8902084041813
COLOR : BLUSH
END USE : --
COUNTRY OF ORIGIN : --
COUNTRY OF DESTINATION : --
MANUFACTURER'S NAME : ALL TIME PLASTICS PVT. LTD.

TESTS CONDUCTED: AS PER THE REQUEST BY THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO THE ENCLOSED PAGE (S).

CONCLUSION:

TESTED SAMPLE	STANDARD	RESULT
SUBMITTED SAMPLE	TOTAL LEAD CONTENT (WITH REFERENE TO REGULATION (EC) NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 63)	M
	TOTAL CADMIUM CONTENT (AS PER EC NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 23)	M
	BISPHENOL-A CONTENT TEST (BY SOLVENT EXTRACTION FOLLOWED BY LC-MS / MS)	M
	OVERALL MIGRATION (IS 9845)	M
	SPECIFIC MIGRATION OF HEAVY METALS (IS 9845)	M
	COLOUR MIGRATION TEST: (AS PER TEST METHOD: IS 9845)	M
	DISHWASHER SAFE TEST (AS PER IN-HOUSE TEST METHOD)	M
	MICROWAVE SAFE TEST (IN-HOUSE TEST METHOD)	M
	FREEZER SAFE TEST (IN-HOUSE TEST METHOD)	M
	AIR TIGHT TEST (IN-HOUSE TEST METHOD)	M



NUMBER : DELH21012618REV.01- L

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DATE : 14TH SEP, 2021
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NOTE: M = MEET CLIENT'S REQUIREMENT
= NO SPECIFIED REQUIREMENT

F = BELOW CLIENT'S REQUIREMENT
N/A = NOT APPLICABLE

REMARK: AS PER SUPPLIER DECLARATION SAME MATERIAL HAS BEEN USED & TESTED IN REPORT NO. DELH21009914, HENCE TEST RESULT HAS BEEN REFERRED FROM THE SAME REPORT.

REVISION REMARK: TEST REPORT HAS BEEN REVISE TO ADD AIR TIGHT TEST AS PER APPLICANT'S REQUEST.

FOR INTERTEK INDIA PVT. LTD

Sanjay Sadana

SANJAY SADANA
TECHNICAL MANAGER – HARDLINE

TEST REPORT

DATE : 14TH SEP, 2021
REV. DATE: 25TH NOV, 2021

TEST CONDUCTED:

1. TOTAL LEAD CONTENT IN SUBSTRATE

TEST REGULATION: WITH REFERENCE TO EC NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 63

TEST METHOD: ANALYSIS WAS PERFORMED BY ICP-MS/AAS

<u>TESTED SAMPLE</u>	<u>RESULT (ppm)</u>	<u>CLIENT'S REQUIREMENT</u>
SUBMITTED SAMPLE	(Transparent + blush) plastic: <10ppm	< 500 ppm

REMARK: ND = NOT DETECTED
DETECTION LIMIT = 10 PPM
*REQUIREMENT IS REFERED FROM REACH ANNEX XVII, ENTRY 63

2. TOTAL CADMIUM CONTENT IN SUBSTRATE

TEST REGULATION: EC NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 23

TEST METHOD: WITH REF. TO EN112-ANALYSIS WAS PERFORMED BY ICP-MS/AAS

<u>TESTED SAMPLE</u>	<u>RESULT (ppm)</u>	<u>CLIENT'S REQUIREMENT</u>
SUBMITTED SAMPLE	(Transparent + blush) plastic: <10ppm	<100 ppm

REMARK: ND = NOT DETECTED
DETECTION LIMIT = 10 PPM
*REQUIREMENT IS REFERED FROM REACH ANNEX XVII, ENTRY 23

3. BISPHENOL-A CONTENT TEST:

(BY SOLVENT EXTRACTION FOLLOWED BY LC-MS / MS)

<u>TESTED COMPONENT</u>	<u>RESULTS</u>	<u>CLIENT'S REQUIREMENT</u>
SUBMITTED SAMPLE	COMPLIES (Transparent + blush) plastic: ND	SHALL NOT CONTAIN ANY DETECTABLE LEVELS OF BISPHENOL A (BPA)

DETECTION LIMIT: 0.1 PPM

TEST REPORT

DATE : 14TH SEP, 2021
REV. DATE: 25TH NOV, 2021

4. OVERALL MIGRATION TEST:

TEST METHOD: IS 9845

TEST CONDITIONS AND RESULTS:

MATERIAL PUT INTO CONTACT	SIMULANT USED	TEST CONDITION	RESULT IN (mg/dm ²)	MAX. LIMIT (mg/dm ²)
			[1,2]	
SUBMITTED SAMPLE	DISTILLED WATER	100°C FOR 02 HOURS	<5	<10
	3% ACITIC ACID	100°C FOR 02 HOURS	<5	<10
	N-HEPTANE	49°C FOR 30 MIN.	<5	<10

REMARK: <= LESS THAN
RESULTS ARE GIVEN IN mg/dm²= Milligram per decimeter square

TESTED COMPONENT:

1. TRANSPARENT PLASTIC
2. BLUSH LID

5. SPECIFIC MIGRATION OF HEAVY METALS TEST:

TEST METHOD: IS 9845
TEST CONDITION: 3% ACITIC ACID AT 100°C FOR 02 HOUR.

ELEMENT	RESULTS (mg/kg)	MAX. PERMISSIBLE LIMIT (mg/kg)
	[1,2]	
Barium (Ba)	<0.1	1.0
Cobalt (Co)	<0.01	0.10
Copper (Cu)	<1.0	5.0
Iron (Fe)	<5.0	48.0
Lithium (Li)	<0.1	0.6
Manganese (Mn)	<0.1	0.6
Zinc (Zn)	<1.0	25.0
Antimony (Sb)	<0.02	0.04

< = LESS THAN
mg/kg = MILLIGRAM PER KILOGRAM

TESTED COMPONENT:

1. TRANSPARENT PLASTIC
2. BLUSH LID



TEST REPORT

6. COLOUR MIGRATION TEST:

VISUAL OBSERVATION
(SIMULANTS USED AS PER TEST METHOD: IS 9845)

TEST CONDITIONS AND RESULTS:

MATERIAL PUT INTO CONTACT	SIMULANT USED	TEST CONDITION	RESULT [1,2,3]	MAX. LIMIT
SUBMITTED SAMPLE	DISTILLED WATER	100°C FOR 02 HOURS	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED
	3% ACITIC ACID	100°C FOR 02 HOURS	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED
	N-HEPTANE	49°C FOR 30 MIN.	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED

TESTED COMPONENT:

1. BLUSH LID

7. DISHWASHER SAFE TEST:

REFERENCE: IN-HOUSE TEST METHOD

TESTING CONDITIONS:

- (1) SELECTED CYCLE: NORMAL
- (2) CYCLE DURATION: 120 MINUTES (APROX.)
- (3) TEMPERATURE CONDITION: 60°C (APROX.)
- (4) DETERGENT USED: CASCADE
- (5) NO. OF CYCLES: 10 CYCLES

<u>TESTED SAMPLE</u>	<u>OBSERVATION</u>	<u>REQUIREMENT</u>
SUBMITTED SAMPLE	COMPLIES NO VISUAL CHANGE OBSERVED	SHALL NOT SHOW ANY CHIPPING, CRACKING, GLAZE CRAZING OR OTHER VISUAL CHANGE IN APPEARANCE.



TEST REPORT

8. MICROWAVE SAFE TEST:

(IN-HOUSE TEST METHOD)

MICROWAVE SAFE EVALUATION:

TESTED SAMPLE	OBSERVATION	REQUIREMENT
SUBMITTED SAMPLE	COMPLIES	SHALL NOT SHOW ANY CRACKING/CRAZING, MELTING, DEFORMATION OR OTHER UNUSUAL CHANGES. TEMPERATURE OF HANDLE OR SURFACE SHALL NOT EXCEED THE FOLLOWING LIMITS. Ceramic, Glass-Ceramic or Glass: 56°C Plastic: 60°C

9. FREEZER SAFE TEST:

(IN-HOUSE TEST METHOD)

TESTING CONDITIONS:

- (1) FREEZER TEMPERATURE: -18°C
- (2) FREEZER EXPOSED PERIOD: 24 HOURS

TESTED SAMPLE	OBSERVATION	REQUIREMENT
SUBMITTED SAMPLE	COMPLIES	SHALL NOT SHOW ANY CRACK/DAMAGE/DEFORMATION



TEST REPORT

10. AIR TIGHT TEST:
(IN-HOUSE TEST METHOD)

<u>DURATION</u>	<u>SAMPLE AS RECIVED</u>	<u>SAMPLE AFTER FIRST WASH</u>	<u>REQUIREMENT</u>
DAY- 0	122.7229	121.5460	<0.10%
DAY- 1	122.9880	121.6726	
DAY- 2	123.2540	121.7699	
DAY- 3	123.5162	121.9258	
DAY- 4	123.7803	122.0510	
DAY- 5	124.0488	122.1791	
<u>D5 - DO</u> <u>DO</u>	0.01	0.005	

END OF TEST REPORT

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular 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



ORIGINAL SAMPLE

TEST REPORT

DATE : 14TH SEP, 2021
REV. DATE: 25TH NOV, 2021

APPLICANT: ALL TIME PLASTICS PVT.LTD.
PLOT NO. 377/1/1&2), KACHIGAM, CHAR RASTA, DAMAN - 396210

ATTN: ZARIR PATEL

SAMPLE DESCRIPTION : POLKA CONTAINER 512 (3000 ML) (ASSORTED)

DATE RECEIVED : 25TH JULY, 2021
BUYER'S NAME : --
BUYING AGENT/ CONTACT : --
ITEM CODE : 408431-30
HSN CODE : 39241090
BARCODE : 8902084041813
COLOR : INDIGO
END USE : --
COUNTRY OF ORIGIN : --
COUNTRY OF DESTINATION : --
MANUFACTURER'S NAME : ALL TIME PLASTICS PVT. LTD.

TESTS CONDUCTED: AS PER THE REQUEST BY THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO THE ENCLOSED PAGE (S).

CONCLUSION:

TESTED SAMPLE	STANDARD	RESULT
SUBMITTED SAMPLE	TOTAL LEAD CONTENT (WITH REFERENE TO REGULATION (EC) NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 63)	M
	TOTAL CADMIUM CONTENT (AS PER EC NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 23)	M
	BISPHENOL-A CONTENT TEST (BY SOLVENT EXTRACTION FOLLOWED BY LC-MS / MS)	M
	OVERALL MIGRATION (IS 9845)	M
	SPECIFIC MIGRATION OF HEAVY METALS (IS 9845)	M
	COLOUR MIGRATION TEST: (AS PER TEST METHOD: IS 9845)	M
	DISHWASHER SAFE TEST (AS PER IN-HOUSE TEST METHOD)	M
	MICROWAVE SAFE TEST (IN-HOUSE TEST METHOD)	M
	FREEZER SAFE TEST (IN-HOUSE TEST METHOD)	M
	AIR TIGHT TEST (IN-HOUSE TEST METHOD)	M



TEST REPORT

DATE : 14TH SEP, 2021
REV. DATE: 25TH NOV, 2021

NOTE: M = MEET CLIENT'S REQUIREMENT
= NO SPECIFIED REQUIREMENT

F = BELOW CLIENT'S REQUIREMENT
N/A = NOT APPLICABLE

REMARK: AS PER SUPPLIER DECLARATION SAME MATERIAL HAS BEEN USED & TESTED IN REPORT NO. DELH21009914, HENCE TEST RESULT HAS BEEN REFERRED FROM THE SAME REPORT.

REVISION REMARK: TEST REPORT HAS BEEN REVISE TO ADD AIR TIGHT TEST AS PER APPLICANT'S REQUEST.

FOR INTERTEK INDIA PVT. LTD

Sanjay Sadana

SANJAY SADANA
TECHNICAL MANAGER – HARDLINE

TEST REPORT

DATE : 14TH SEP, 2021
REV. DATE: 25TH NOV, 2021

TEST CONDUCTED:

1. TOTAL LEAD CONTENT IN SUBSTRATE

TEST REGULATION: WITH REFERENCE TO EC NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 63

TEST METHOD: ANALYSIS WAS PERFORMED BY ICP-MS/AAS

<u>TESTED SAMPLE</u>	<u>RESULT (ppm)</u>	<u>CLIENT'S REQUIREMENT</u>
SUBMITTED SAMPLE	(Transparent + indigo) plastic: <10ppm	< 500 ppm

REMARK: ND = NOT DETECTED
DETECTION LIMIT = 10 PPM
*REQUIREMENT IS REFERED FROM REACH ANNEX XVII, ENTRY 63

2. TOTAL CADMIUM CONTENT IN SUBSTRATE

TEST REGULATION: EC NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 23

TEST METHOD: WITH REF. TO EN112-ANALYSIS WAS PERFORMED BY ICP-MS/AAS

<u>TESTED SAMPLE</u>	<u>RESULT (ppm)</u>	<u>CLIENT'S REQUIREMENT</u>
SUBMITTED SAMPLE	(Transparent + indigo) plastic: <10ppm	<100 ppm

REMARK: ND = NOT DETECTED
DETECTION LIMIT = 10 PPM
*REQUIREMENT IS REFERED FROM REACH ANNEX XVII, ENTRY 23

3. BISPHENOL-A CONTENT TEST:

(BY SOLVENT EXTRACTION FOLLOWED BY LC-MS / MS)

<u>TESTED COMPONENT</u>	<u>RESULTS</u>	<u>CLIENT'S REQUIREMENT</u>
SUBMITTED SAMPLE	COMPLIES (Transparent + indigo) plastic: ND	SHALL NOT CONTAIN ANY DETECTABLE LEVELS OF BISPHENOL A (BPA)

DETECTION LIMIT: 0.1 PPM

TEST REPORT

DATE : 14TH SEP, 2021
REV. DATE: 25TH NOV, 2021

4. OVERALL MIGRATION TEST:

TEST METHOD: IS 9845

TEST CONDITIONS AND RESULTS:

MATERIAL PUT INTO CONTACT	SIMULANT USED	TEST CONDITION	RESULT IN (mg/dm ²)	MAX. LIMIT (mg/dm ²)
			[1,2]	
SUBMITTED SAMPLE	DISTILLED WATER	100°C FOR 02 HOURS	<5	<10
	3% ACITIC ACID	100°C FOR 02 HOURS	<5	<10
	N-HEPTANE	49°C FOR 30 MIN.	<5	<10

REMARK: <= LESS THAN
RESULTS ARE GIVEN IN mg/dm²= Milligram per decimeter square

TESTED COMPONENT:

1. TRANSPARENT PLASTIC
2. INDIGO LID

5. SPECIFIC MIGRATION OF HEAVY METALS TEST:

TEST METHOD: IS 9845
TEST CONDITION: 3% ACITIC ACID AT 100°C FOR 02 HOUR.

ELEMENT	RESULTS (mg/kg)	MAX. PERMISSIBLE LIMIT (mg/kg)
	[1,2]	
Barium (Ba)	<0.1	1.0
Cobalt (Co)	<0.01	0.10
Copper (Cu)	<1.0	5.0
Iron (Fe)	<5.0	48.0
Lithium (Li)	<0.1	0.6
Manganese (Mn)	<0.1	0.6
Zinc (Zn)	<1.0	25.0
Antimony (Sb)	<0.02	0.04

< = LESS THAN
mg/kg = MILLIGRAM PER KILOGRAM

TESTED COMPONENT:

1. TRANSPARENT PLASTIC
2. INDIGO LID



TEST REPORT

6. COLOUR MIGRATION TEST:

VISUAL OBSERVATION
(SIMULANTS USED AS PER TEST METHOD: IS 9845)

TEST CONDITIONS AND RESULTS:

MATERIAL PUT INTO CONTACT	SIMULANT USED	TEST CONDITION	RESULT [1]	MAX. LIMIT
SUBMITTED SAMPLE	DISTILLED WATER	100°C FOR 02 HOURS	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED
	3% ACITIC ACID	100°C FOR 02 HOURS	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED
	N-HEPTANE	49°C FOR 30 MIN.	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED

TESTED COMPONENT:

1. INDIGO LID

7. DISHWASHER SAFE TEST:

REFERENCE: IN-HOUSE TEST METHOD

TESTING CONDITIONS:

- (1) SELECTED CYCLE: NORMAL
- (2) CYCLE DURATION: 120 MINUTES (APROX.)
- (3) TEMPERATURE CONDITION: 60°C (APROX.)
- (4) DETERGENT USED: CASCADE
- (5) NO. OF CYCLES: 10 CYCLES

<u>TESTED SAMPLE</u>	<u>OBSERVATION</u>	<u>REQUIREMENT</u>
SUBMITTED SAMPLE	COMPLIES NO VISUAL CHANGE OBSERVED	SHALL NOT SHOW ANY CHIPPING, CRACKING, GLAZE CRAZING OR OTHER VISUAL CHANGE IN APPEARANCE.



TEST REPORT

8. MICROWAVE SAFE TEST:
(IN-HOUSE TEST METHOD)

MICROWAVE SAFE EVALUATION:

TESTED SAMPLE	OBSERVATION	REQUIREMENT
SUBMITTED SAMPLE	COMPLIES	SHALL NOT SHOW ANY CRACKING/CRAZING, MELTING, DEFORMATION OR OTHER UNUSUAL CHANGES. TEMPERATURE OF HANDLE OR SURFACE SHALL NOT EXCEED THE FOLLOWING LIMITS. Ceramic, Glass-Ceramic or Glass: 56°C Plastic: 60°C

9. FREEZER SAFE TEST:
(IN-HOUSE TEST METHOD)

TESTING CONDITIONS:

- (1) FREEZER TEMPERATURE: -18°C
- (2) FREEZER EXPOSED PERIOD: 24 HOURS

TESTED SAMPLE	OBSERVATION	REQUIREMENT
SUBMITTED SAMPLE	COMPLIES	SHALL NOT SHOW ANY CRACK/DAMAGE/DEFORMATION



TEST REPORT

10. AIR TIGHT TEST:
(IN-HOUSE TEST METHOD)

<u>DURATION</u>	<u>SAMPLE AS RECIVED</u>	<u>SAMPLE AFTER FIRST WASH</u>	<u>REQUIREMENT</u>
DAY- 0	122.7229	121.5460	<0.10%
DAY- 1	122.9880	121.6726	
DAY- 2	123.2540	121.7699	
DAY- 3	123.5162	121.9258	
DAY- 4	123.7803	122.0510	
DAY- 5	124.0488	122.1791	
<u>D5 - DO</u> <u>DO</u>	0.01	0.005	

END OF TEST REPORT

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TEST REPORT



ORIGINAL SAMPLE



TEST REPORT

APPLICANT: ALL TIME PLASTICS PVT.LTD.
PLOT NO. 377/1/1&2), KACHIGAM, CHAR RASTA, DAMAN - 396210

ATTN: ZARIR PATEL

SAMPLE DESCRIPTION : POLKA CONTAINER 512 (3000 ML) (ASSORTED)

DATE RECEIVED : 25TH JULY, 2021
BUYER'S NAME : --
BUYING AGENT/ CONTACT : --
ITEM CODE : 408431-30
HSN CODE : 39241090
BARCODE : 8902084041813
COLOR : MOONLIGHT
END USE : --
COUNTRY OF ORIGIN : --
COUNTRY OF DESTINATION : --
MANUFACTURER'S NAME : ALL TIME PLASTICS PVT. LTD.

TESTS CONDUCTED: AS PER THE REQUEST BY THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO THE ENCLOSED PAGE (S).

CONCLUSION:

TESTED SAMPLE	STANDARD	RESULT
SUBMITTED SAMPLE	TOTAL LEAD CONTENT (WITH REFERENE TO REGULATION (EC) NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 63)	M
	TOTAL CADMIUM CONTENT (AS PER EC NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 23)	M
	BISPHENOL-A CONTENT TEST (BY SOLVENT EXTRACTION FOLLOWED BY LC-MS / MS)	M
	OVERALL MIGRATION (IS 9845)	M
	SPECIFIC MIGRATION OF HEAVY METALS (IS 9845)	M
	COLOUR MIGRATION TEST: (AS PER TEST METHOD: IS 9845)	M
	DISHWASHER SAFE TEST (AS PER IN-HOUSE TEST METHOD)	M
	MICROWAVE SAFE TEST (IN-HOUSE TEST METHOD)	M
	FREEZER SAFE TEST (IN-HOUSE TEST METHOD)	M
	AIR TIGHT TEST (IN-HOUSE TEST METHOD)	M



NUMBER : DELH21012618- O

TEST REPORT

DATE : 14TH SEP, 2021

NOTE: M = MEET CLIENT'S REQUIREMENT
= NO SPECIFIED REQUIREMENT

F = BELOW CLIENT'S REQUIREMENT
N/A = NOT APPLICABLE

REMARK: AS PER SUPPLIER DECLARATION SAME MATERIAL HAS BEEN USED & TESTED IN REPORT NO. DELH21009914, HENCE TEST RESULT HAS BEEN REFERRED FROM THE SAME REPORT.

FOR INTERTEK INDIA PVT. LTD

Sanjay Sadana

SANJAY SADANA
TECHNICAL MANAGER – HARDLINE



TEST REPORT

TEST CONDUCTED:

1. TOTAL LEAD CONTENT IN SUBSTRATE

TEST REGULATION: WITH REFERENCE TO EC NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 63

TEST METHOD: ANALYSIS WAS PERFORMED BY ICP-MS/AAS

<u>TESTED SAMPLE</u>	<u>RESULT (ppm)</u>	<u>CLIENT'S REQUIREMENT</u>
SUBMITTED SAMPLE	(Transparent + moonlight) plastic: <10ppm	< 500 ppm

REMARK: ND = NOT DETECTED
DETECTION LIMIT = 10 PPM
*REQUIREMENT IS REFERED FROM REACH ANNEX XVII, ENTRY 63

2. TOTAL CADMIUM CONTENT IN SUBSTRATE

TEST REGULATION: EC NO. 1907/2006 (REACH) AND ITS AMENDMENTS, ANNEX XVII, ENTRY 23

TEST METHOD: WITH REF. TO EN112-ANALYSIS WAS PERFORMED BY ICP-MS/AAS

<u>TESTED SAMPLE</u>	<u>RESULT (ppm)</u>	<u>CLIENT'S REQUIREMENT</u>
SUBMITTED SAMPLE	(Transparent + moonlight) plastic: <10ppm	<100 ppm

REMARK: ND = NOT DETECTED
DETECTION LIMIT = 10 PPM
*REQUIREMENT IS REFERED FROM REACH ANNEX XVII, ENTRY 23

3. BISPHENOL-A CONTENT TEST:

(BY SOLVENT EXTRACTION FOLLOWED BY LC-MS / MS)

<u>TESTED COMPONENT</u>	<u>RESULTS</u>	<u>CLIENT'S REQUIREMENT</u>
SUBMITTED SAMPLE	COMPLIES (Transparent + moonlight) plastic: ND	SHALL NOT CONTAIN ANY DETECTABLE LEVELS OF BISPHENOL A (BPA)

DETECTION LIMIT: 0.1 PPM

TEST REPORT

4. OVERALL MIGRATION TEST:

TEST METHOD: IS 9845

TEST CONDITIONS AND RESULTS:

MATERIAL PUT INTO CONTACT	SIMULANT USED	TEST CONDITION	RESULT IN (mg/dm ²)	MAX. LIMIT (mg/dm ²)
			[1,2]	
SUBMITTED SAMPLE	DISTILLED WATER	100°C FOR 02 HOURS	<5	<10
	3% ACITIC ACID	100°C FOR 02 HOURS	<5	<10
	N-HEPTANE	49°C FOR 30 MIN.	<5	<10

REMARK: <= LESS THAN
RESULTS ARE GIVEN IN mg/dm²= Milligram per decimeter square

TESTED COMPONENT:

1. TRANSPARENT PLASTIC
2. MOONLIGHT LID

5. SPECIFIC MIGRATION OF HEAVY METALS TEST:

TEST METHOD: IS 9845

TEST CONDITION: 3% ACITIC ACID AT 100°C FOR 02 HOUR.

ELEMENT	RESULTS (mg/kg)	MAX. PERMISSIBLE LIMIT (mg/kg)
	[1,2]	
Barium (Ba)	<0.1	1.0
Cobalt (Co)	<0.01	0.10
Copper (Cu)	<1.0	5.0
Iron (Fe)	<5.0	48.0
Lithium (Li)	<0.1	0.6
Manganese (Mn)	<0.1	0.6
Zinc (Zn)	<1.0	25.0
Antimony (Sb)	<0.02	0.04

< = LESS THAN
mg/kg = MILLIGRAM PER KILOGRAM

TESTED COMPONENT:

1. TRANSPARENT PLASTIC
2. MOONLIGHT LID



TEST REPORT

6. COLOUR MIGRATION TEST:

VISUAL OBSERVATION
(SIMULANTS USED AS PER TEST METHOD: IS 9845)

TEST CONDITIONS AND RESULTS:

MATERIAL PUT INTO CONTACT	SIMULANT USED	TEST CONDITION	RESULT [1]	MAX. LIMIT
SUBMITTED SAMPLE	DISTILLED WATER	100°C FOR 02 HOURS	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED
	3% ACITIC ACID	100°C FOR 02 HOURS	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED
	N-HEPTANE	49°C FOR 30 MIN.	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED

TESTED COMPONENT:

1. MOONLIGHT LID

7. DISHWASHER SAFE TEST:

REFERENCE: IN-HOUSE TEST METHOD

TESTING CONDITIONS:

- (1) SELECTED CYCLE: NORMAL
- (2) CYCLE DURATION: 120 MINUTES (APROX.)
- (3) TEMPERATURE CONDITION: 60°C (APROX.)
- (4) DETERGENT USED: CASCADE
- (5) NO. OF CYCLES: 10 CYCLES

<u>TESTED SAMPLE</u>	<u>OBSERVATION</u>	<u>REQUIREMENT</u>
SUBMITTED SAMPLE	COMPLIES NO VISUAL CHANGE OBSERVED	SHALL NOT SHOW ANY CHIPPING, CRACKING, GLAZE CRAZING OR OTHER VISUAL CHANGE IN APPEARANCE.



TEST REPORT

8. MICROWAVE SAFE TEST:

(IN-HOUSE TEST METHOD)

MICROWAVE SAFE EVALUATION:

TESTED SAMPLE	OBSERVATION	REQUIREMENT
SUBMITTED SAMPLE	COMPLIES	SHALL NOT SHOW ANY CRACKING/CRAZING, MELTING, DEFORMATION OR OTHER UNUSUAL CHANGES. TEMPRATURE OF HANDLE OR SURFACE SHALL NOT EXCEED THE FOLLOWING LIMITS. Ceramic, Glass-Ceramic or Glass: 56°C Plastic: 60°C

9. FREEZER SAFE TEST:

(IN-HOUSE TEST METHOD)

TESTING CONDITIONS:

- (1) FREEZER TEMPERATURE: -18°C
- (2) FREEZER EXPOSED PERIOD: 24 HOURS

TESTED SAMPLE	OBSERVATION	REQUIREMENT
SUBMITTED SAMPLE	COMPLIES	SHALL NOT SHOW ANY CRACK/DAMAGE/DEFORMATION

TEST REPORT

10. AIR TIGHT TEST:

(IN-HOUSE TEST METHOD)

<u>DURATION</u>	<u>SAMPLE AS RECIVED</u>	<u>SAMPLE AFTER FIRST WASH</u>	<u>REQUIREMENT</u>
DAY- 0	122.7229	121.5460	<0.10%
DAY- 1	122.9880	121.6726	
DAY- 2	123.2540	121.7699	
DAY- 3	123.5162	121.9258	
DAY- 4	123.7803	122.0510	
DAY- 5	124.0488	122.1791	
<u>D5 - D0</u> <u>D0</u>	0.01	0.005	

END OF TEST REPORT

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