

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: : KEEPSAKE BOX (800 ML) (ASSORTED) (36 PC PK)

DATE RECEIVED : 25TH JULY, 2021
 BUYER'S NAME :
 BUYING AGENT/ CONTACT : --
 ITEM CODE : 408582-36
 HSN CODE : 39241090
 BARCODE : 8902084085824
 COLOR : --
 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
	SPECIFIC MIGRATION OF PHTHALATES (SOLVENT EXTRACTION FOLLOWED BY GC-MSD ANALYSIS)	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



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	AIR TIGHT TEST (IN-HOUSE TEST METHOD)	M
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NOTE: M = MEET CLIENT'S REQUIREMENT
= NO SPECIFIED REQUIREMENT

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

FOR INTERTEK INDIA PVT. LTD

Sanjay Sadana

SANJAY SADANA
TECHNICAL MANAGER – HARDLINE



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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	(Moonlight + 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	(Moonlight + 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 (Moonlight + Indigo) plastic: ND	SHALL NOT CONTAIN ANY DETECTABLE LEVELS OF BISPHENOL A (BPA)

DETECTION LIMIT: 0.1 PPM

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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	40 °C FOR 10 DAYS	<5	<10
	3% ACITIC ACID	40 °C FOR 10 DAYS	<5	<10
	10% ETHANOL	40 °C FOR 10 DAYS	<5	<10
	50% ETHANOL	40 °C FOR 10 DAYS	<5	<10
	N-HEPTANE	38°C FOR 30 MIN.	<5	<10

REMARK: <= LESS THAN

RESULTS ARE GIVEN IN mg/dm²= Milligram per decimeter square

TESTED COMPONENT:

1. MOONLIGHT PLASTIC BASE PART
2. INDIGO PLASTIC LID PART

5. SPECIFIC MIGRATION OF HEAVY METALS TEST:

TEST METHOD: IS 9845

TEST CONDITION: 3% ACITIC ACID AT 40°C FOR 10 DAYS

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. MOONLIGHT PLASTIC BASE PART
2. INDIGO PLASTIC LID PART



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**6. SPECIFIC MIGRATION OF PHTHALATE:
SOLVENT EXTRACTION FOLLOWED BY GC-MSD ANALYSIS**

TEST RESULT:
TEST CONDITION: 3% ACITIC ACID AT 40°C FOR 10 DAYS.

TESTED COMPONENTS	RESULT (PPM)
	[1, 2]
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DnOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND

Limit: Individual Less than 0.1% (1000 ppm)

- TESTED COMPONENT:**
1. MOONLIGHT PLASTIC BASE PART
2. INDIGO PLASTIC LID PART

**7. 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	40 °C FOR 10 DAYS	NO COLOUR MIGRATED	THERE SHALL BE NO COLOR MIGRATED
	3% ACITIC ACID	40 °C FOR 10 DAYS	NO COLOUR MIGRATED	
	10% ETHANOL	40 °C FOR 10 DAYS	NO COLOUR MIGRATED	
	50% ETHANOL	40 °C FOR 10 DAYS	NO COLOUR MIGRATED	
	N-HEPTANE	38°C FOR 30 MIN.	NO COLOUR MIGRATED	

- TESTED COMPONENT:**
1. MOONLIGHT PLASTIC BASE PART
2. INDIGO PLASTIC LID PART



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8. 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

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

9. 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

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10. 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

11. 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	166.9657	166.7966	<0.10%
DAY- 1	167.7238	167.4064	
DAY- 2	168.5142	168.0150	
DAY- 3	169.2991	168.6273	
DAY- 4	170.0830	169.2392	
DAY- 5	170.8767	169.8456	
<u>D5 - D0</u> <u>D0</u>	0.02360	0.01827	

END OF TEST REPORT

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