

TEST REPORT



ORIGINAL SAMPLE



NUMBER : DELH21009910

TEST REPORT

DATE : 10TH SEP, 2021

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

ATTN: ZARIR PATEL

SAMPLE DESCRIPTION: : MASALA DABBA (ALL TIME) (ASSORTED) (24 PC PK)

DATE RECEIVED : 25TH JULY, 2021
 BUYER'S NAME :
 BUYING AGENT/ CONTACT : --
 ITEM CODE : 408030-24
 HSN CODE : 39241090
 BARCODE : 8902084080300
 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:

<u>TESTED SAMPLE</u>	<u>STANDARD</u>	<u>RESULT</u>
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
	DISHWASHER SAFE TEST (AS PER IN-HOUSE TEST METHOD)	M
	AIR TIGHT TEST (IN-HOUSE TEST METHOD)	M
	RESISTANCE TO CORROSION TEST (ISO 9227: 2017)	#
	METAL COMPOSITION (SPECTROMETER ANALYSIS)	#



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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	Transparent plastic Body +Indigo lid: <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 plastic Body+ Indigo lid: <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 plastic Body+ Indigo lid: 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]	
SUBMITTED SAMPLE	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. Transparent plastic (Body)
2. Indigo plastic (Lid)

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]	
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 (Body)
2. Indigo plastic (Lid)



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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]
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. Transparent plastic (Body)
2. Indigo plastic (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

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

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8. 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	160.5923	160.4588	<0.10%
DAY- 1	160.6750	160.5304	
DAY- 2	160.7681	160.6030	
DAY- 3	160.8545	160.6754	
DAY- 4	160.9373	160.7490	
DAY- 5	161.0258	160.8170	
<u>D5 - D0</u> <u>D0</u>	0.0027	0.0022	

9. SALT SPRAY TEST:

(ISO 9227: 2017)

- (1) SODIUM CHLORIDE (NaCl) SOLUTION CONCENTRATION = 50 gm/ litre
- (2) pH = 6.8
- (3) CHAMBER TEMPERATURE = 35°C
- (4) EXPOSURE PERIOD = 24 HOURS

<u>TESTED COMPONENT</u>	<u>RESULT</u>	<u>REQUIREMENT</u>
SUBMITTED SAMPLE (SPOON)	GRADE: 10 (NO VISUAL CHANGE OBSERVED)	NOT PROVIDED

AREA OF DEFECTS A (%)

RATING

NO DEFECTS

10

0 < A ≤ 0.1

9

0.1 < A ≤ 0.25

8

0.25 < A ≤ 0.5

7

0.5 < A ≤ 1.0

6

1.0 < A ≤ 2.5

5

2.5 < A ≤ 5.0

4

5.0 < A ≤ 10

3

10 < A ≤ 25

2

25 < A ≤ 50

1

A > 50

0



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**10. METAL COMPOSITION TEST:
(BY SPECTROMETER ANALYSIS)**

(SPOON)

Sr. No	Elements	Result (%)
1	Carbon	0.038
2	Silicon	0.261
3	Manganese	0.502
4	Phosphorus	0.018
5	Sulphur	0.012
6	Chromium	18.06
7	Molybdenum	0.204
8	Nickel	8.10
9	Aluminum	<0.007
10	Copper	0.353
11	Titanium	,<0.008
12	Vanadium	<0.0100
13	Niobium	<0.0200
14	Cobalt	<0.0200
15	Tin	0.011
16	Lead	<0.0200
17	Zirconium	<0.008
18	Tantalum	<0.0200
19	Iron	72.4

END OF TEST REPORT

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