

DATE: 13th September, 2019 Report No.: MAN:HL:1048006805

KEEP IT FRESH LLP

PLOT NO 18, SECTOR 6, IMT MANESAR

GURGAON-122052

IN

CONTACT PERSON: BISHAN SINGH

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS:

KEEP IT FRESH PADS TESTING SAMPLE DESCRIPTION

COLOUR WHITE

STYLE NO. 23.5 X 32, 23.5 X 45 CM, 35 X 40, 35 X 47, 35 X 47

COUNTRY OF ORIGIN INDIA SAMPLE RECD ON 27/08/2019

30/08/2019 TO 13/08/2019 **TEST PERFORMING DATE**

SUMMARY OF TEST RESULTS:

TEST REQUESTED	CONCLUSION
1. TESTING AS PER COMMISSION REGULATION (EU) NO 10/2011	
Overall Migration	Pass
2. EN 71-3:2013 + A3:2018 - MIGRATION OF CERTAIN ELEMENTS	Pass
3. DIMETHYL FUMARATE (DMFu)	SEE RESULT
4. BISPHENOL A (BPA) CONTENT	SEE RESULT
5. MOULD COUNT	SEE RESULT

TEST(S) RESULT & METHOD: PLEASE REFER TO NEXT PAGE(S)

Per Pro SGS India Pvt. Ltd.

SANDIP BHUSHAN(Asst. Manager)

Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

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SGS India Pvt. Ltd



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TEST RESULTS:-

1.TESTING AS PER COMMISSION REGULATION (EU) No 10/2011:

Overall Migration:

Method: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection

of condition and EN 1186-1:2002 for selection of test methods) (1st Migration);

EN 1186-3:2002 aqueous food simulants by total immersion method;

Simulant Used	Test Condition	Result (mg/dm ²⁾	Reporting Limit (mg/dm ²⁾	Permissible Limit (mg/dm ²⁾
10% Ethanol	40°C for 10 Days	Not Detected	2.0	10
3% Acetic Acid	40°C for 10 Days	Not Detected	2.0	10
Conclusion		Pass		

Tested Item: KEEP IT FRESH PADS TESTING

Note:-

1. mg/dm² = milligram per square decimeter

2. °C = degree Celsius

3. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

1. Analytical tolerance of aqueous simulants is 2mg/dm² or 12mg/kg

2. Test condition & simulant were specified by client.

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2. EN 71-3:2013 + A3:2018 - MIGRATION OF CERTAIN ELEMENTS:

Category III Scrapped-off toy material:

Method: With reference to EN71-3:2013+ A3:2018. Analysis of general elements was performed by ICP-OES

Test Item		Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Mass of trace amount	(mg)			
Soluble Aluminium	(AI)	674	50	70,000
Soluble Antimony	(Sb)	ND	10	560
Soluble Arsenic	(As)	ND	10	47
Soluble Barium	(Ba)	ND	50	18,750
Soluble Boron	(B)	ND	50	15,000
Soluble Cadmium	(Cd)	ND	5	17
Soluble Chromium	(Cr)	ND	0.15	
Soluble Chromium (III)	(Cr (III))	ND	5	460
Soluble Chromium (VI)	(Cr (VI))	ND	0.18	0.2
Soluble Cobalt	(Co)	ND	10	130
Soluble Copper	(Cu)	ND	50	7,700
Soluble Lead	(Pb)	ND	10	23
Soluble Manganese	(Mn)	ND	50	15,000
Soluble Mercury	(Hg)	ND	10	94
Soluble Nickel	(Ni)	ND	10	930
Soluble Selenium	(Se)	ND	10	460
Soluble Strontium	(Sr)	ND	50	56,000
Soluble Tin	(Sn)	ND	4.9	180,000
Soluble Organic Tin [^]		See Note [^]	0.5	12
Soluble Zinc	(Zn)	ND	50	46,000
Conclusion		PASS		

Tested Item: KEEP IT FRESH PADS TESTING

Note:

- mg/kg = milligram per kilogram
- ND = Not Detected
- 1% = 10000 mg/kg = 10000 ppm
- ^ Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3:2013+ A3:2018.
- Testing has been subcontracted to SGS approved lab.
- Testing has been performed as per client's request.

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3. DIMETHYL FUMARATE (DMFu):

Test Method: In-House Method.Liquid Extraction; Analysis was conducted by GC / MS.

Test Name	Result	Requirement
Dimethyl Fumarate	Nolt Detected	1

Detection Limit: 0.1 mg/kg.

Tested Item: KEEP IT FRESH PADS TESTING

Note:

1. mg/kg = milligram per kilogram.

2. Testing has been subcontracted to SGS approved lab.

4. BISPHENOL A (BPA) CONTENT:

METHOD: Solvent extraction and analysis by LC/MS

TEST NAME	TEST RESULT	REQUIREMENT
	(mg/kg)	(mg/kg)
Bisphenol A (BPA) Content	19	/

Detection Limit: 0.1mg/kg

Tested Item: KEEP IT FRESH PADS TESTING

Note: Testing has been subcontracted to SGS approved lab.

5. MOULD COUNT:

METHOD: IS 5403: 1999 (REAFF. 2013)

TEST NAME	TEST RESULT (cuf/unit)	REQUIREMENT
Bisphenol A (BPA) Content	<10	1

Tested Item: KEEP IT FRESH PADS TESTING

Note:

- Above all testing has been subcontracted to SGS approved lab.
- Above all testing has been performed as per client request.

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**** END OF REPORT****

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