

Report No.: GR:HL:5480028504

DATE: 04th November, 2014



J.K. ENTERPRISES......

4 BIRLA SHOPPING CENTER, OPP. NASIK ROAD COLLEGE, NASIK ROAD

422101

INDIA

CONTACT PERSON : MR.SANJAY SAHNI

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

SAMPLE DESCRIPTION

"GRAPAGE" GRAPE GUARD SHEET

STYLE NO.

23.5 X 32-5GM,35X47-6.5GM,23.5 X 45-7GM, 35 X 40-8.5GM AND 35 X 47-10GM,

OTHER DETAILS

INDIAN SEASON 2014-2015

COUNTRY OF ORIGIN

INDIA 18/10/2014

SAMPLE RECEIVING DATE TEST PERFORMING DATE

20/10/2014 TO 04/11/2014

Test Requested

Please refer to the result summary.

Test Method & Results

Please refer to next page(s).

Result Summary

Test Requested	Conclusion
1) Testing as per Commission Regulation (EU) No 10/2011 of 14 January 2011 and hence Article 3 of European Regulation No. 1935/2004. (As per client's request)	
a) Plastic – Overall Migration	Pass
2) DETERMINATION OF DIMETHYL FUMARATE (DMF) CONTENT TEST	See Results
3) Mould Count Test	See Results
4) EN 71 Part 3 :2013 – Migration of certain Elements (as per client's request)	PASS

Per Pro SGS India Pvt. Ltd.

N.C.Manna

Asst. Manager

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

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Test Results:

1) Testing as per Commission Regulation (EU) No 10/2011.

a) Plastic - Overall Migration.

Method: With reference to 82/711/EEC with its amendments and 2002/72/EC with its amendments for selection of condition and EN1186-1:2002 for selection of test method.

Simulant Used	Test Condition	Result(mg/dm²)	Permissible Limit(mg/dm²)
3% Acetic Acid (W/V) Aqueous Solution	10 Days at 40°C	< 2	10
10% Ethanol (V/V) Aqueous Solution	10 Days at 40°C	< 2	10
Comment	OM THE	PASS	

Sample Description: 1. "GRAPAGE" GRAPE GUARD SHEET

Note

- 1. mg/dm² = milligram per square decimeter, mg/kg = milligram per kilograms
- 2. °C = degree Celsius, < = less than
- 3. MDL = Method Detection Limit, ND=Not Detected(<MDL)
- 4. Method Detection Limit = 2 mg/dm²
- 5. Test condition & simulant were specified by client
- 6. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011.

2. DETERMINE THE DIMETHYL FUMARATE CONTENT:

Test Requested

To determine the Dimethyl Fumarate Contents in the submitted samples.

₹ est Method

Analysis was performed by Gas Chromatography Mass Spectrometry.

Test Result

Test
Dimethyl Fumarate (mg/kg)

Result

Method Detection Limit(MDL)

0.1 mg/kg

Sample Discription: Grapage, Grape Guard Sheet.

.ote:

1) ND = Not Detected

2) mg/kg = milligrams/kilogram

3) Above test is subcontracted to SGS approved lab.

3. Mould Count Test

Analysis	Method	Result	Limit Reporting (LOR)	Unit
Mould	IS:5403:1999(Reaff. 2005)	< 10	10	cfu/25cm²

Sample Discription: Grapage, Grape Guard Sheet.

Note: Above test is subcontracted to SGS approved lab.

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4) EN 71 Part 3:2013 - Migration of certain elements

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Category III: Polymeric material:

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

Test Item		Result (mg/kg)	Reporting Limit	Permissible Limit	
rest item		1	(mg/kg)	(mg/kg)	
Mass of trace amount	(mg)				
Soluble Aluminium	(AI)	221.45	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	10	17	
Soluble Chromium	(Cr)	ND	0.15		
Soluble Chromium (III)	(Cr (III))	See Note#	1	460	
Soluble Chromium (VI)	(Cr (VI))	See Note#	0.18	0.2	
Soluble Cobalt	(Co)	ND	10	130	
Soluble Copper	(Cu)	ND	50	7,700	
Soluble Lead	(Pb)	ND	10	160	
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	
Comment		PASS			

Sample description: 1. "GRAPAGE" GRAPE GUARD SHEET (Polymeric material).

Note:

- 1) mg/kg = milligram per kilogram
- 2) ND = Not Detected
- 3) 1% = 10000 mg/kg = 10000 ppm
- 4) **Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.
- 5) ^ 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.

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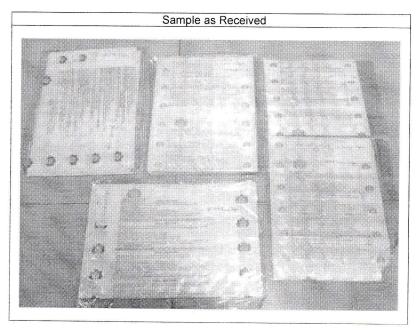
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