



Report No. : GR:HL:4480029073

DATE: 18<sup>th</sup> December, 2013

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

STYLE NO.

BUYER

COUNTRY OF ORIGIN

SAMPLE RECEIVING DATE

TEST PERFORMING DATE ADD. INFO. RECD. ON

GRAPAGE GRAPE GUARD SHEET 23.5 X 35-7 GM/23.5 X 38-7 GM INDIAN GRAPE SEASON 2013-14.

INDIA

08/11/2013

28/11/2013 TO 18/12/2013

18/12/2013

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 Result
3) Mould Count Test 4) EN 71 Part 3 :2013 –Migration of certain Elements (as per client's request)	See Result PASS

Overall Conclusion

The submitted samples complies with the specifications of Commission Regulation (EU) No 10/2011 of 14 January 2011 and hence Article 3 of European Regulation No. 1935/2004 (Overall Migration), Dimethyl Fumarate (Dmf) Content Test, Mould Count Test (IS:5403:1999(Reaff. 2005) & Migration of certain Elements (EN 71 Part 3:2013).

Per Pro SGS India Pvt Ltd.

Subasini Saraswat

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.

Test Condition	Result(mg/dm²)	Permissible Limit(mg/dm²)
10 Days at 40°C	< 2	10
		10
	PASS	
	10 Days at 40°C 10 Days at 40°C	Test Condition

# Sample Description :1. Grapage Grape Guard Sheet

Note:

1. mg/dm<sup>2</sup> = 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/dm<sup>2</sup>

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

Test Method

Analysis was performed by Gas Chromatography Mass Spectrometry

Test Result

Dimethyl Fumarate (mg/kg)

Result ND

Method Detection Limit(MDL)

0.1 mg/kg

Sample Discription: Grapage Grape Guard Sheet

ND = Not Detected

2) mg/kg = milligrams/kilogram

3) Above test is subcontracted to SGS India Pvt. Ltd. RSTS LAB Gurgaon.

### 3) Mould Count Test

10 000				
	Method	Result	Limit Reporting (LOR)	Unit
Analysis	The second second	11	10	cfu/25cm²
Mould	IS:5403:1999(Reaff. 2005)	< 10	10	Clu/20011

Sample Discription: Grapage Grape Guard Sheet

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

### Category III: Polymeric material:

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

		Result (mg/kg)	Reporting Limit	Permissible Limi	
Test Item		1 .	(mg/kg)	(mg/kg)	
Mass of trace amount	(mg)				
Soluble Aluminium	(AI)	125.07	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)	0.29	0.15		
Soluble Chromium (III)	(Cr (III))	1.24	1	460	
Soluble Chromium (VI)	(Cr (VI))	ND	0.18	0.20	
Soluble Cobalt	(Co)	ND	10	130	
	(Cu)	ND	50	7,700	
Soluble Copper	(Pb)	ND	10	160	
Soluble Lead	(Mn)	ND	50	15,000	
Soluble Manganese	(Hg)	ND	10	94	
Soluble Mercury	(Ni)	ND	10	930	
Soluble Nickel	(Se)	ND	10	460	
Soluble Selenium	(Sr)	ND	50	56.000	
Soluble Strontium	(Sn)	ND	4.9	180,000	
Soluble Tin	(011)	See Note	0.5	12	
Soluble Organic Tin	(Zn)	ND	50	46,000	
Soluble Zinc  Comment	(2)	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) Cr III and Cr VI is tested in SGS approved lab.

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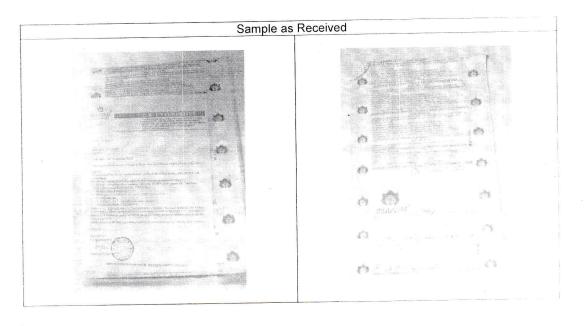
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\*\*\*\*\*End of Report\*\*\*\*

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