

Report No. : GR:HL:4480029073

DATE : 18th December, 2013



J.K. ENTERPRISES..
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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 35-7 GM/23.5 X 38-7 GM
BUYER INDIAN GRAPE SEASON 2013-14.
COUNTRY OF ORIGIN INDIA
SAMPLE RECEIVING DATE 08/11/2013
TEST PERFORMING DATE 28/11/2013 TO 18/12/2013
ADD. INFO. RECD. ON 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	See Result
4) EN 71 Part 3 :2013 –Migration of certain Elements (as per client's request)	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



TEST REPORT

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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/dm ²)	Permissible Limit(mg/dm ²)
		1	
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	--	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.

Test Method : Analysis was performed by Gas Chromatography Mass Spectrometry.

Test Result	Test	Result	Method Detection Limit(MDL)
	Dimethyl Fumarate (mg/kg)	ND	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

Analysis	Method	Result	Limit Reporting (LOR)	Unit
		1		
Mould	IS:5403:1999(Reaff. 2005)	< 10	10	cfu/25cm ²

Sample Discription : Grapage Grape Guard Sheet



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.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
		1		
Mass of trace amount (mg)		--	--	--
Soluble Aluminium (Al)		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
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 ^A		See Note ^A	0.5	12
Soluble Zinc (Zn)		ND	50	46,000
Comment		PASS	--	--

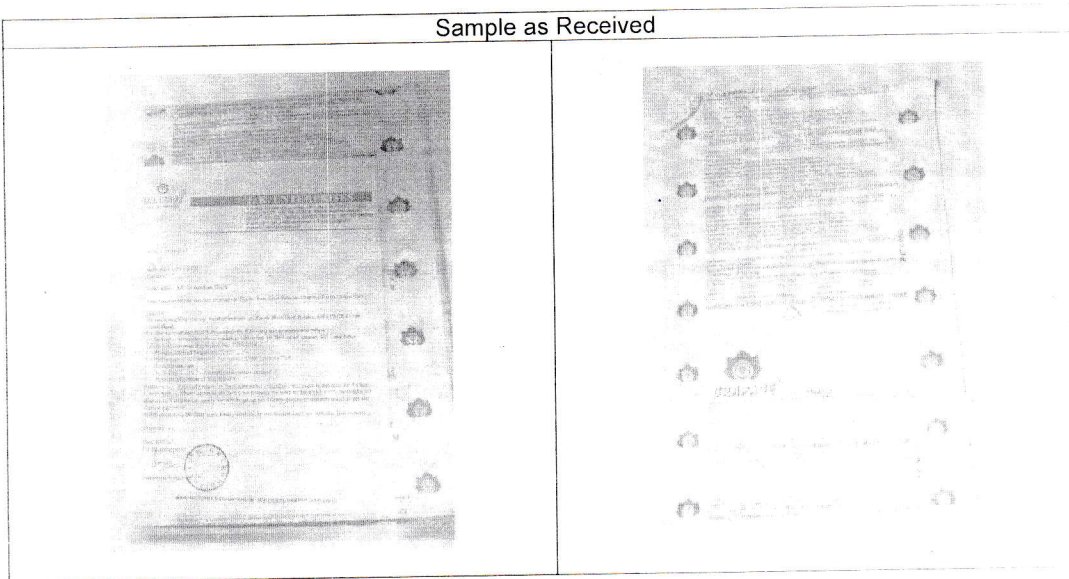
Sample description: 1. Grapage Grape Guard Sheet (Polymeric material).

Note:

- 1) mg/kg = milligram per kilogram
- 2) ND = Not Detected
- 3) 1% = 10000 mg/kg = 10000 ppm
- 4) Cr III and Cr VI is tested in SGS approved lab.



Sample as Received



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