

TEST REPORT

Report No. : GR:HL:6480027089

DATE : 16th December, 2015



J.K. ENTERPRISES.....

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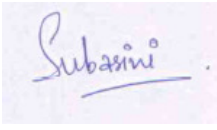
THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION	PLASTIC BASE DUAL RELEASE GRAPAGE GRAPE GUARD SHEETS
STYLE NO.	2.5X32-5GMS, 23.5X45-7GMS, 35X40-8.5GMS, 35X47-6 5GMS, 35X47-10GMS
OTHER DETAILS	INDIAN SEASON 2015-2016
COUNTRY OF ORIGIN	INDIA
SAMPLE RECEIVING DATE	17/11/2015
TEST PERFORMING DATE	18/11/2015 TO 16/12/2015

RESULT SUMMARY

TESTS NAME	COMMENTS
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)	---
Overall Migration	Pass
2. EN 71 Part 3 :2013 –Migration of certain Elements (as per client's request)	Pass
3. Dimethyl Fumarate Content.	See Results
4. Mould Count	See Results

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 Overall Migration :

Method : With reference to EN 1186 :2002

Simulant Used	Test Condition	Result(mg/dm ²)	Permissible Limit(mg/dm ²)
		<u>1</u>	
3% Acetic Acid	40°C for 10 days	< 2	10
10% Ethnaol	40°C for 10 days	< 2	10
Comment	--	PASS	--

Sample Description :1. PLASTIC BASE DUAL RELEASE GRAPAGE GRAPE GUARD SHEETS

- 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. Test condition & simulant were specified by client
 5. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011.
 6. Testing has been performed as per the Client's request.

2.DETERMINE THE DIMETHYL FUMARATE CONTENT :

Test Requested : To determine the Dimethyl Fumarate Contents in the submitted samples.

Test Method : In house method : Liquid extraction . Analysis was conducted by GC / MSD .

Test Result	: <u>Test</u>	<u>Result</u>	<u>Method Detection Limit(MDL)</u>
	Dimethyl Fumarate (mg/kg)	ND	0.1 mg/kg

Sample Discription : PLASTIC BASE DUAL RELEASE GRAPAGE GRAPE GUARD SHEETS

Note:

- 1) ND = Not Detected
- 2) mg/kg = milligrams/kilogram
- 3) Above test has been subcontracted to SGS approved lab.
- 4) Testing has been performed as per client's request.

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**3.EN71-3: 2013 – Migration of certain elements
Category III : Plastic / Other Matiral.**

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

Test Item		Results (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
		1		
Mass of trace amount	(mg)	--	--	--
Soluble Aluminium	(Al)	176.08	50	70,000
Soluble Antimony	(Sb)	ND	10	560
Soluble Arsenic	(As)	29.41	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)	See Note#	0.15	--
Soluble Chromium (III)	(Cr (III))	See Note#	1	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	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. PLASTIC BASE DUAL RELEASE GRAPAGE GRAPE GUARD SHEETS

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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4.

S. No.	Test Name	Test Method Reference	Test Results	Unit
1	Mould Count	IS:5403:1999(Reaff. 2005)	<10	cfu/unit

Sample Discription : 1. PLASTIC BASE DUAL RELEASE GRAPAGE GRAPE GUARD SHEETS

Note: Above tests have been subcontracted to SGS approved lab.
CFU:Colony forming unit



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