

**TEST REPORT**

**Report No. : MAN:HL:1148003316**

**DATE : 14<sup>th</sup> July, 2020**



**J. K. ENTERPRISES**  
 9-B, 3<sup>RD</sup> FLOOR, STARZONE MALL, NR NASHIK ROAD COLLEGE  
 NASHIK ROAD - 422101, MAHARASHTRA  
 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/GRAPVIN GRAPE GUARD  
**STYLE NO.** 23.5x35-5GM, 23.5x38-5GM, 23.5x45-6.5GM, 23.5x32-5GM, ETC.  
**SAMPLE RECD ON** 04/07/2020  
**TEST PERFORMING DATE** 07/07/2020 TO 14/07/2020

**SUMMARY OF TEST RESULTS:**

TEST REQUESTED	CONCLUSION
EN 71-3 : 2019 - MIGRATION OF CERTAIN ELEMENTS	PASS

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

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

Per Pro SGs India Pvt. Ltd.



**SANDIP BHUSHAN (Technical Manager)**  
**Authorized Signatory**  
 Email your Test Report Related Enquiries at [Feedback.HLT@sgs.com](mailto:Feedback.HLT@sgs.com)

**TEST REPORT**

**Report No. : MAN:HL:1148003316**

**DATE : 14<sup>th</sup> July, 2020**



**TEST RESULT:**

**EN 71-3 : 2019 - MIGRATION OF CERTAIN ELEMENTS:**

**Method:** With refe. To EN71-3:2019. Analysis of general elements was performed by ICP-OES/ ICP-MS and Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / IC-LTD / LC-ICP-MS / LC-DAD / IC-ICP-MS. Organic tin was analyzed by GC-MS.

**Category III Scrapped-off toy material:**

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Mass of trace amount (mg)	ND	--	--
Soluble Aluminium (Al)	ND	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	0.01	--
Soluble Chromium (III) # (Cr (III))	See Note #	5	460
Soluble Chromium (VI) # (Cr (VI))	See Note #	0.02	0.053
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 <sup>^</sup>	See Note <sup>^</sup>	0.5	12
Soluble Zinc (Zn)	ND	50	46,000
<b>Conclusion</b>	Pass	--	--

**Tested Item:** Grapage/Gravpin Grape Guard

**Note:**

- mg/kg = milligram per kilogram.
- ND = Not Detected.
- 1% = 10000 mg/kg = 10000 ppm.
- # Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN 71-3: 2019.
- ^ 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 EN 71-3: 2019.
- Testing has been subcontracted to SGS approved lab.
- Testing has been performed as per client's request.



Sample as Received (Tested Sample)





Samples as Received (Grouped Sample)



\*\*\*\* END OF REPORT\*\*\*\*