

### **TEST REPORT**

Report No.: MAN:HL:1348004745 DATE: 16th June, 2022

**SPINKS INDIA** 

PLOT NO. 135, PACE CITY-1,, SECTOR-37

GURGAON-122001

INDIA

**CONTACT PERSON**: POOJA MISHRA

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

SAMPLE DESCRIPTION FARBATECH INKS FARBATOY/FARBATOY-SPRAY/FARBAMED

FTCH-FJ2, FTCH-FJ3,FTCH-SPR

LAB IDENTFIED SAMPLE

INK

SAMPLE RECD ON

02/06/2022

**TESTING PERFORMING DATE** 08/06/2022 TO 16/06/2022

**SUMMARY OF TEST RESULTS:** 

TEST REQUESTED	CONCLUSION
EN 71-3: 2019 + A1:2021- MIGRATION OF CERTAIN ELEMENTS	PASS

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

Per Pro SGS India Pvt. Ltd.

**SANDIP BHUSHAN (Technical Manager)** 

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

 JOE No. : 2248802110
 4947624
 Page 1 of 3
 Control No.:1348506413

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Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600



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# **TEST RESULTS:**

# EN 71-3: 2019 + A1:2021 - MIGRATION OF CERTAIN ELEMENTS:

METHOD: With reference to EN71-3: 2019 + A1:2021. Analysis of general elements was performed by ICP-OES. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / IC-TLD / 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)			
Soluble Aluminium	(AI)	ND	50	28130
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 (III) #	(Cr (III))	ND	5	460
Soluble Chromium (VI) #	(Cr (VI))	ND	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>		ND		12
Soluble Zinc	(Zn)	ND	50	46,000
Conclusion	·	PASS		

## Note:

- mg/kg = milligram per kilogram
- ND = Not Detected
- 1% = 10000 mg/kg = 10000 ppm
- #The test result of soluble chromium (III) and chromium (VI) were derived from soluble chromium screening and then confirmation test for soluble chromium (III) and soluble Chromium (VI) on component with soluble chromium exceeding the screening limit of 0.02 mg/kg soluble Cr.
- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 4.9 mg/kg soluble Sn.
- Testing has been performed as per client's request.
- Testing has been subcontracted to SGS Gurugram lab.

Page 2 of 3 JOE No.: 2248802110 4947624 Control No.:1348506413

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

Page 3 of 3 JOE No.: 2248802110 4947624 Control No.:1348506413

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