

TEST REPORT

Report No. : MAN:HL:1248007913

DATE : 08th December, 2021



SPINKS INDIA

PLOT NO. 135, PACE CITY-1, SECTOR-37
 GURUGRAM -122001
 (HARYANA)-INDIA
CONTACT PERSON : MS. POOJA

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

SAMPLE DESCRIPTION TOY PAINTS (SPR21-2313,2314, 2315, 2316, 2317., 2318, 2319, 2320, 2326)
SAMPLE RECD ON 01/12/2021
TEST PERFORMING DATE 01/12/2021 TO 07/12/2021

SUMMARY OF TEST RESULT:

TEST REQUESTED	CONCLUSION
1. Hasbro Safety and Reliability Specification SRS-018 (rev. G) - Toxic Element Migration Test	Pass
2. SRS-046 (Rev. AB, 7/8/20) – Certain Phthalates Content	Pass

TEST(S) RESULTS: PLEASE REFER TO THE 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

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TEST RESULT:

1. SRS-018 (Rev. G, 2/4/21) – Toxic Element Migration Test

Method: As specified in SRS-018 (Rev. G,2/4/21), Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Inductively Coupled Plasma Mass Spectrometer (ICP-MS) /Gas Chromatography Mass Spectrometer (GC-MS)/LC-ICP-MS

Test Item(s)		Result (mg/kg)	Reporting Limit (mg/kg)	Action Limit (mg/kg)	Permissible Limit (mg/kg)
		1			
Soluble Aluminium	(Al)	ND	50	392	560
Soluble Antimony	(Sb)	ND	1.0	7.9	11.3
Soluble Arsenic	(As)	ND	0.4	--	0.9
Soluble Barium	(Ba)	ND	50	175	250
Soluble Boron	(B)	ND	50	210/250*	300
Soluble Cadmium	(Cd)	ND	0.1	--	0.3
Soluble Chromium	(Cr)	ND	5	17.5	25
Soluble Chromium (III)#	(Cr (III))	ND	1	6.5	9.4
Soluble Chromium (VI)#	(Cr (VI))	ND	0.0025	--	0.005
Soluble Cobalt	(Co)	ND	0.5	--	2.6
Soluble Copper	(Cu)	ND	50	109	156
Soluble Lead	(Pb)	ND	0.2	--	0.5
Soluble Manganese	(Mn)	ND	50	210	300
Soluble Mercury	(Hg)	ND	0.5	--	1.9
Soluble Nickel	(Ni)	ND	9	13	18.8
Soluble Selenium	(Se)	ND	4	6.5	9.4
Soluble Strontium	(Sr)	ND	50	787	1125
Soluble Tin	(Sn)	ND	0.04	2625	3750
Soluble Organic Tin [^]	(oSn)	--	--	--	0.2
Soluble Zinc	(Zn)	ND	50	656	938
Comment		Pass	--	--	--

- Note:**
- mg/kg = milligram per kilogram
 - ND = Not Detected
 - 1% = 10000 mg/kg = 10000 ppm
 - * = The lower value relates to materials with borax, the higher value relates to amterials with diboron trioxide.
 - # 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 0.005 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 0.08 mg/kg soluble Sn
 - Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)
- Remark:** - The above test(s) was performed by SGS Gurugram Chemical lab.

Specimen Description:

No.	Component(s)	Material
1	TOY PAINTS (SPR21-2313,2314, 2315, 2316, 2317., 2318, 2319, 2320, 2326)	PAINT

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2.SRS-046 (Rev. AB, 7/8/20) – Certain Phthalates Content

Method: With refe. to CPSC-CH-C1001-09.4; Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS).

Test Item(s)	CAS No.	Result (%)	Reporting Limit (%)	Action Limit (%)	Permissible Limit (%)
		1			
Dibutyl Phthalate (DBP)	84-74-2	ND	0.005	0.01	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	0.005	0.01	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	ND	0.005	0.01	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	0.01	0.01	0.1
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	0.01	0.01	0.1
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	0.01	0.01	0.1
Di-n-Hexyl phthalate (DHEXP/DnHP)	84-75-3	ND	0.01	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.005	0.01	0.1
Di-n-pentyl phthalate (DPP/DPenP)	131-18-0	ND	0.01	0.01	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	0.01	0.01	0.1
Diisoheptyl phthalate (DIHP)	71888-89-6	ND	0.01	0.01	0.1
Bis-methylglycol phthalate (DMEP)	117-82-8	ND	0.01	0.01	0.1
Bis-isopentyl phthalate (DIPP)	605-50-5	ND	0.01	0.01	0.1
Diethyl Phthalate (DEP)	84-66-2	ND	0.01	0.01	0.1
Bis (2-ethylhexyl) Tetrabromophthalate (TBPH)	26040-51-7	ND	0.01	0.01	0.1
Dipentyl Phthalate (DPP)	131-18-0	ND	0.01	0.01	0.1
1,2-Benzenedicarboxylic Acid, Dihexyl Ester, Branched and Linear	68515-50-4	ND	0.01	0.05	0.1
1,2-Benzenedicarboxylic Acid, Di-C7-11-Branched and Linear Alkyl Esters (DNHUP)	68515-42-4	ND	0.01	0.05	0.1
1,2-Benzenedicarboxylic Acid, Dipentylester, Branched and Linear	84777-06-0	ND	0.01	0.05	0.1
1,2-Benzenedicarboxylic Acid, Mixed Decyl and Hexyl and Octyl Diesters	68648-93-1	ND	0.01	0.05	0.1
1,2-Benzenedicarboxylic Acid, Di-C6-10-alkyl Esters	68515-51-5	ND	0.01	0.05	0.1
N-pentyl-isopentyl Phthalate	776297-69-9	ND	0.01	0.05	0.1
Diisoheptyl Phthalate	71850-09-4	ND	0.01	0.05	0.1
Total (DBP + BBP + DEHP+DIBP)		ND	--	--	0.1
Total (DINP + DNOP + DIDP)		ND	--	--	0.1
Total (DIHP + DMEP + DIPP + DPenP + DNHP)		ND	--	--	0.1
Comment		Pass	--	--	--

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Remark: - The above test(s) was performed by SGS Gurugram Chemical lab.

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1	TOY PAINTS (SPR21-2313,2314, 2315, 2316, 2317., 2318, 2319, 2320, 2326)	PAINT



Sample As Received



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