

Test Report

Number: GZHH00284196

Applicant: HE HUAN SHAN PAINT (SHENZHEN) CO.,LTD
YAN CHUAN SECOND INDUSTRIAL ZONE,
SONGGANG TOWN,BAO'AN DISTRICT,SHENZHEN
CITY

Date: Jun 04, 2018

Attn: 陈汶得

Sample Description:

One (1) submitted sample said to be :

样品	名称	批号	送板日期
样品三	NC黑面漆	18041103	2018/5/25
	NC黑底漆	18050210	
	NC黑色哑光面漆	18041104	
	NC黑色1-5分光面漆	18050311	
	PU黑面漆	18051512	
	PU黑底漆	18032706	

Country of Origin : China

Tests conducted:

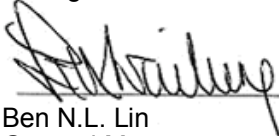
As requested by the applicant, refer to attached page(s) for details.

Conclusion:

Tested sample	Standard	Result
Submitted sample	EN71-3:2013+A1:2014 on migration of certain elements	See Comment
	EN71-3:2013+A1:2014 on migration of certain elements (excluding lead migration) & lead migration of EU 2017/738 amending 2009/48/EC(effective from Oct 28,2018)	See Comment
	EN71-3:2013+A2:2017 on migration of certain elements	See Comment
	EN71-3:2013+A2:2017 on migration of certain elements (excluding lead migration) & lead migration of EU 2017/738 amending 2009/48/EC(effective from Oct 28,2018)	See Comment

Comment: The testing scope of the following standard was not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines


Ben N.L. Lin
General Manager



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Tests Conducted

1 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013+A1:2014 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography.

Category (II): Liquid or sticky toy material

Element	Result (mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Sample		
	(1)		
Aluminium (Al)	ND	100	1406
Antimony (Sb)	ND	1.0	11.3
Arsenic (As)	ND	0.5	0.9
Barium (Ba)	ND	10	375
Boron (B)	ND	50	300
Cadmium (Cd)	ND	0.1	0.3
Chromium (III) (Cr III) **	ND	1.0	9.4
Chromium (VI) (Cr VI) **	ND#	0.0025	0.005
Cobalt (Co)	ND	1.0	2.6
Copper (Cu)	ND	10	156
Lead (Pb)	ND	0.1	3.4/0.5ø
Manganese (Mn)	ND	10	300
Mercury (Hg)	ND	1.0	1.9
Nickel (Ni)	ND	1.0	18.8
Selenium (Se)	ND	1.0	9.4
Strontium (Sr)	ND	100	1125
Tin (Sn)	ND	0.05	3750
Organic tin **	ND	0.15	0.2
Zinc (Zn)	ND	100	938

Remark : mg/kg = milligram per kilogram

++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected (less than reporting limit)

ø = The new lead migration limit [(2.0mg/kg for Category (I), 0.5mg/kg for category (II) and 23 mg/kg for Category (III)] were quoted from directive (EU) 2017/738 amending 2009/48/EC effective from 28 October 2018.

= Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).



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Tested Sample(s) : (1) Black liquid.

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date sample received: May 25, 2018

Testing period: May 25, 2018 to Jun 01, 2018



Test Report

Number: GZHH00284196

Tests Conducted

2 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013+A2:2017 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography.

Category (II): Liquid or sticky toy material

Element	Result (mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Sample		
	(1)		
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End of report

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