

Test Report

Number: GZHH00189587

Applicant:

Date: Nov 30, 2015

Sample Description:

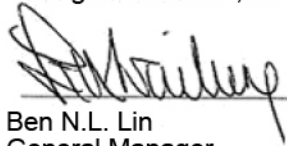
Two (2) sets of submitted sample said to be :

No.	Product Description	Model / Type / Batch No.	Brand	Country of Origin	Manufacturer's Name And Address	HS Code*
1	White Board	BW-222	CONNAK	China	Foshan Leliu Dulumen Silicon Magnesium Alloy Manufactory. The 3rd Industrial Park, Hecheng Town, Heshan City, Guangdong China	96100000
2	Notice Board	NB-555	CONNAK	China	Foshan Leliu Dulumen Silicon Magnesium Alloy Manufactory. The 3rd Industrial Park, Hecheng Town, Heshan City, Guangdong China	96100000
3	Tripod Flip Chart	FC-333	CONNAK	China	Foshan Leliu Dulumen Silicon Magnesium Alloy Manufactory. The 3rd Industrial Park, Hecheng Town, Heshan City, Guangdong China	96100000
4	Double Side Flip Chart Board	FC-444	CONNAK	China	Foshan Leliu Dulumen Silicon Magnesium Alloy Manufactory. The 3rd Industrial Park, Hecheng Town, Heshan City, Guangdong China	96100000

Country of Origin : China

To be continued

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



Ben N.L. Lin
General Manager





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Tests conducted:

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

Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Tested component(s) of submitted sample sets	Applicant's requirement on EN71-3:2013+A1:2014 on migration of certain elements	Pass

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Ben N.L. Lin
General Manager



Tests Conducted

1 19 Toxic Element Migration Test

(A) Test Result

With reference to EN71-3:2013+A1:2014 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(2)	(6)	(9)		
Aluminium (Al)	ND	ND	ND	ND	300	70000
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	604	10	14	15	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) **	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI) **	ND	ND	ND	ND	0.1	0.2
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	160
Manganese (Mn)	ND	ND	38	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	10	180000
Organic tin **	ND	ND	ND	ND	2.0	12
Zinc (Zn)	ND	ND	ND	ND	100	46000



Tests Conducted

Element	Result (mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(3) to (5), (7) to (8)		
Aluminium (Al)	ND	300	70000
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr III) **	ND	10	460
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Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	10	180000
Organic tin **	ND	2.0	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram

ND = Not detected

++ = 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.

Tested Components:

- (1) White coating on metal (body of middle style, big style, small white board of white style).
- (2) Grey plastic (corner of all styles).
- (3) Dark grey plastic (pencil tank of middle style, big style).
- (4) Transparent plastic (logo of all styles).
- (5) Dark blue woven (body of small white board of blue style).
- (6) Brown plywood (back of small white board of blue style, green style, grey style, red style).
- (7) Deep green woven (body of small white board of green style).
- (8) Grey woven (body of small white board of grey style).
- (9) Red woven (body of small white board of red style).

Remark: As requested by the applicant, phthalate test was conducted only on components listed in this report. Other components were not tested.



Tests Conducted

(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: Nov 27, 2015

Testing period: Nov 27, 2015 to Nov 28, 2015



Tests Conducted



End of report

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