



CMA Testing and Certification Laboratories

廠商會檢定中心

TEST REPORT

Report No : AY0063498(8)

Date : 29 Nov 2019

Application No : LY037755(5)

Applicant : TOP EXCEL (HONG KONG) LIMITED
ROOM 1504, 15/F, RICKY CENTRE
36 CHONG YIP ST., KWUN TONG
KOWLOON HONG KONG

Sample Description : Two (2) submitted sample(s) stated to be :

Item Name

Item No.

(A) Marusyo Sangyo Photocatalyst Solution

(B) Marusyo Sangyo Formaldehyde Removal Fluid

S-3T

Country of Origin : Japan

Date Received : 22 Nov 2019.

Test Period : 22 Nov 2019 to 29 Nov 2019.

Test Requested : Test Item

Result

EN71 : Part 3 : 2019 - Migration of certain elements (Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium (III), Chromium (VI), Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin, Organic Tin and Zinc).

Passed

Test Result : Refer to the result pages for details.

Remark : The submitted sample(s) is/are not applicable to above test. As per client's requested, the test(s) was/were conducted and concluded as reference only.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature : _____


Wan Leong Hang
Deputy Manager

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Test Result :

EN 71 : Part 3 : 2019

Test Method : Heavy element analysis was determined by Inductively Coupled Plasma Spectrometry (ICP-OES) and/or Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and/or Liquid Chromatograph-Inductively Coupled Plasma Mass Spectrometry (LC-ICP-MS) and/or Gas Chromatography Mass Spectrometry (GCMS).

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)	
		Sample	
		1	2
Aluminium (Al)	70,000	<100	<100
Antimony (Sb)	560	<5	<5
Arsenic (As)	47	<5	<5
Barium (Ba)	18,750	<20	<20
Boron (B)	15,000	<100	<100
Cadmium (Cd)	17	<5	<5
Chromium (III)	460	<1	<1
Chromium (VI)	0.053	<0.05	<0.05
Cobalt (Co)	130	<5	<5
Copper (Cu)	7,700	<5	<5
Lead (Pb)	23	<5	<5
Manganese (Mn)	15,000	<100	<100
Mercury (Hg)	94	<5	<5
Nickel (Ni)	930	<5	<5
Selenium (Se)	460	<5	<5
Strontium (Sr)	56,000	<100	<100
Tin (Sn)	180,000	<100	<100
Organic tin [#]	12	<9	<9
Zinc (Zn)	46,000	<100	<100



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- Note :
- All results are in mg/kg
 - < denotes less than
 - ≥ denotes greater than or equal to
 - For samples of migrated chromium content lower than migration limit of chromium (VI), no speciation test for chromium (III) and chromium (VI) were conducted. The results were derived from that of total chromium
 - For samples of migrated tin content calculated as tributyl tin lower than migration limit of organic tin, no organic tin test was conducted. Organic tin results were derived from that of total tin
 - *Organic tin compounds under investigation are limited to methyltin, dimethyltin, butyltin, dibutyltin, tributyltin, tetrabutyltin, mono-octyltin, dioctyltin, dipropyltin, diphenyltin and triphenyltin. Other organic tin compounds may also be present in toys

Sample	Description	Sample weight
1	White liquid of item A	≥100 mg
2	Clear liquid of item B	≥100 mg