

Applicant: DONGGUAN JIAN PLASTIC & METAL PRODUCTS LTD.
NO.3-1, SOUTH GAOBU BLVD
GAOBU, DONGGUAN, CHINA
ZIP CODE: 523278
Attn: LILY/NANCY

Date: Feb 08, 2018

Sample Description:

Two (2) groups of submitted samples said to be:

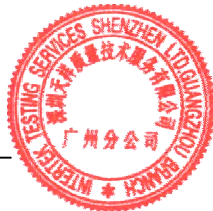
(A) Brass butterfly cluch

(B) Brass spur nail

Standard : --
Buyer's Name : WORLD WIDE
Colour : --
Vendor : WORLD WIDE
Manufacturer : CHINA
Supplier : CHINA
Style No./Name : --
P.O. No. : --
Ref. : 1.BRASS BUTTERFLY CLUCH 2.BRASS SPUR NAIL
AGE RANGE: 3+
Country Of Origin : MADE IN CHINA
Goods Exported To : WORLD WIDE
Date Received/Date Test Started : Jan 15, 2018
Date Final Information Confirmed: Jan 17, 2018

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch

Huang Ning, Andy
Assistant General Manager

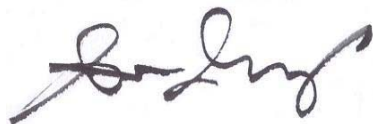


Conclusion:

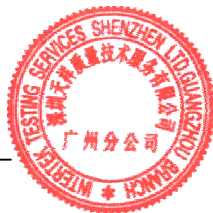
<u>Index</u>	<u>Test Item</u>	<u>Result</u>
1.	19 Toxic Element Migration Test	Meet Applicant's Requirement
2.	Toxic Elements Analysis	Meet Applicant's Requirement
3.	Soluble Lead Content Test on Metal Toy Accessories	Pass

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager



1 19 Toxic Element Migration Test

With Reference To EN71-3:2013+A1:2014 And Followed By Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES) And/Or Inductively Coupled Plasma Mass Spectrometry (ICP/MS). When Confirmation Tests Of Chromium (III)/Chromium (VI) Was Performed, Determined By Ion Chromatography (IC).

Category (III): Scraped-Off Toy Material

Element	Result (Mg/Kg)		Limit (Mg/Kg)
	(1)	(2)	
Aluminium (Al)	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	560
Arsenic (As)	< 10	< 10	47
Barium (Ba)	< 10	< 10	18750
Boron (B)	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	17
Chromium (III) (Cr III) ⁺⁺	< 10	< 10	460
Chromium (VI) (Cr VI) ⁺⁺	< 0.1 #	< 0.1	0.2
Cobalt (Co)	< 10	< 10	130
Copper (Cu)	79	94	7700
Lead (Pb)	< 10	< 10	160
Manganese (Mn)	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	94
Nickel (Ni)	< 10	< 10	930
Selenium (Se)	< 10	< 10	460
Strontium (Sr)	< 100	< 100	56000
Tin (Sn)	< 10	< 10	180000
Organic Tin ⁺⁺	< 3.0	< 3.0	12
Zinc (Zn)	386	168	46000

Remark : Mg/Kg = Milligram Per Kilogram

= 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).

⁺⁺ = 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: Please See Component List In The Last Section Of This Report.

2 Toxic Elements Analysis

With Reference To Section 4.3.5 Of The ASTM Standard Consumer Safety Specification On Toy Safety ASTM F 963-16, Acid Digestion And Extraction Methods Were Used And Toxic Elements Content Were Determined By Inductively Coupled Argon Plasma Spectrometry.

	Result In ppm		Applicant's Limit In ppm
	(1)	(2)	
Sol. Barium (Ba)	ND	ND	1000
Sol. Lead (Pb)	ND	ND	90
Sol. Cadmium (Cd)	ND	ND	75
Sol. Antimony (Sb)	ND	ND	60
Sol. Selenium (Se)	ND	ND	500
Sol. Chromium (Cr)	ND	ND	60
Sol. Mercury (Hg)	ND	ND	60
Sol. Arsenic (As)	ND	ND	25

Remark: Sol. = Soluble
 ND = Not detected
 Detection limit = 10 ppm
 ppm = Parts Per Million

Tested Components : Please See Component List In The Last Section of This Report

3 Soluble Lead Content Test on Metal Toy Accessories

Test Method: Japan Toy Safety Standard 2016 Part 3 Chemical Properties Clause 2.7, 2.12, Acid Extraction Method Was Used And Soluble Lead Content Was Determined By Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result (mg/kg)	Requirement (mg/kg)
(1)	< 5	90
(2)	< 5	90

Remark: mg/kg = milligram per kilogram

Tested Components: Please See Component List In The Last Section of This Report

Component List:

- (1) Gold Color Metal (The Whole Of Sample A).
- (2) Gold Color Metal (Sample B).

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