

Applicant: JIN SHEU ENTERPRISE CO., LTD.  
8F-9, NO., 502, YUAN SHAN RD.,  
ZHONGHE DIST., NEW TAIPEI CITY 23545,  
TAIWAN  
Attn: HEIDI

Date: Mar 14, 2018

Sample Description:

Several pieces of submitted samples said to be Green polyester lanyards.

Standard : --  
Buyer's Name : WORLD WIDE  
Colour : GREEN  
Vendor : WORLD WIDE  
Manufacturer : CHINA  
Supplier : CHINA  
Style No./Name : --  
P.O. No. : --  
Ref. : GREEN POLYESTER LANYARD (100% POLYESTER)  
AGE RANGE: 3+  
Country Of Origin : MADE IN CHINA  
Goods Exported To : WORLD WIDE  
Date Received/Date Test Started : Refer To Following Remark  
Date Final Information Confirmed: --

Conclusion:

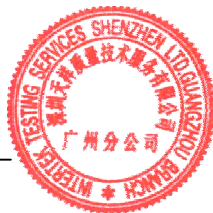
<u>Index</u>	<u>Test Item</u>	<u>Result</u>
1.	◇ 19 Toxic Element Migration Test	Meet Applicant's Requirement
2.	◇ Toxic Elements Analysis	Meet Applicant's Requirement
3.	◇ Soluble Lead Content Test	Pass

Remark: ◇ No Sample Is Submitted For Testing, All Test Results Are Referred To Previous Report GZHT90769605 Dated Feb 09, 2018.

Should you have any query on this report, you may contact at [gzfootwear@intertek.com](mailto: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).

Category (III): Scraped-Off Toy Material

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

Remark : Mg/Kg = Milligram Per Kilogram

<sup>++</sup> = 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 : Green Textile (Webbing).

## 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.

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

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

Tested Components : Green Textile (Webbing).

## 3 Soluble Lead Content Test

Test Method: Japan Toy Safety Standard 2012 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.

<u>Tested Sample/ Component</u>	<u>Result (mg/kg)</u>	<u>Requirement (mg/kg)</u>
	< 5	90

Remark: mg/kg = milligram per kilogram

Tested Components: Green Textile (Webbing).

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