



## Test Report

No.: T51910210049SN

Date: FEB 27, 2019

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JIAN PLASTIC & METAL PRODUCTS LTD

NO.3-1, SOUTH GAOBU BLVD, GAOBU TOWN, DONGGUAN CITY,  
GUANGDONG PROVINCE, CHINA, ZIP CODE:523278

The following samples were submitted and identified by/on behalf of the client as:

POLYESTER LANYARD(100% POLYESTER)

Buyer : WORLD WIDE  
Manufacturer : CHINA  
Country of Origin : CHINA  
Country of Destination : WORLD WIDE  
Requested Age Grading : 3+  
Sample Receiving Date : FEB 22, 2019  
Testing Period : FEB 22, 2019 TO FEB 27, 2019



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center Hardlines

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Member of the SGS Group (SGS SA)

Test Requested		Conclusion
1.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII entry 43 and its amendment (EC) No. 552/2009 – AZO Colourants	PASS
2.	CPSIA section 101 - Total Lead content	--
2.1	CPSIA section 101(f) (1) – Lead in paint/similar surface coating material	NOT APPLICABLE (SEE REMARK)
2.2	CPSIA section 101(a) (2) – Lead in accessible substrate materials (Including Children’s Metal Jewelry)	PASS
3.	US California Proposition 65 California Proposition 65 (County of Alameda Court Case No. RG-10-514803 [Consolidated with Case No. RG 10-545680 and RG 10-545687]) – Cadmium Content	PASS
	Client’s Requirement – Cadmium Content	PASS
4.	Color Fastness to Perspiration (ISO 105-E04:2013)	PASS

Remark : There were no surface coating found in the said submitted sample.

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
 SGS-CSTC Standards Technical  
 Services Co., Ltd. Shenzhen Branch Testing Center



Qu Ping, Kiky  
 Dept. Manager



Chen Canjie, Anson  
 Supervisor



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**Results:**
**1. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII entry 43 and its amendment (EC) No. 552/2009 – AZO Colourants**

Method: With reference to EN 14362-1:2012 / EN 14362-3:2012

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Diode Array Detector (HPLC-DAD)

No. Forbidden Amines Substances	CAS-No.	Result (mg/kg)	MDL (mg/kg)	Permissible limit (mg/kg)	
		1			
<b>Alias No.</b>	--	1	--	--	
<b>Tracing No.</b>	--	1	--	--	
1.	4-Aminodiphenyl	92-67-1	ND	5	30
2.	Benzidine	92-87-5	ND	5	30
3.	4-Chloro- <i>o</i> -toluidine	95-69-2	ND	5	30
4.	2-Naphthylamine	91-59-8	ND	5	30
5.	<i>o</i> -Aminoazotoluene	97-56-3	ND	5	30
6.	5-nitro- <i>o</i> -toluidine	99-55-8	ND	5	30
7.	4-Chloroaniline	106-47-8	ND	5	30
8.	2,4-Diaminoanisole	615-05-4	ND	5	30
9.	4,4'-Diaminodiphenylmethane	101-77-9	ND	5	30
10.	3,3'-Dichlorobenzidine	91-94-1	ND	5	30
11.	3,3'-Dimethoxybenzidine	119-90-4	ND	5	30
12.	3,3'-Dimethylbenzidine	119-93-7	ND	5	30
13.	4,4'-methylenedi- <i>o</i> -toluidine	838-88-0	ND	5	30
14.	<i>p</i> -Cresidine	120-71-8	ND	5	30
15.	4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	ND	5	30
16.	4,4'-Oxydianiline	101-80-4	ND	5	30
17.	4,4'-Thiodianiline	139-65-1	ND	5	30
18.	<i>o</i> -Toluidine	95-53-4	ND	5	30
19.	2,4-Diaminotoluene	95-80-7	ND	5	30
20.	2,4,5-Trimethylaniline	137-17-7	ND	5	30
21.	4-Aminoazobenzene	60-09-3	ND	5	30
22.	2-methoxyaniline	90-04-0	ND	5	30

**Specimen Description:**

1. Orange woven band



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- Note:
- mg/kg = milligram per kilogram
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used. In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.
  - Chlorobenzene extraction is included in case of there is(are) fibre blends or colour treatment textile

**2.2 CPSIA - Lead in Accessible Substrate Materials**

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product

Test Item(s)			Lead (Pb)
Permissible Limit <b>**</b> (ppm)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Orange woven band	2	1	ND

\*\* Permissible Limit applies to a children's product testing manufactured after 14 August 2011 (Public Law 110-314 (Consumer Product Safety Improvement Act of 2008) and its Amendments Public Law 112-28)

- Note:
- ppm = parts per million
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit = 10 ppm
  - 1% = 10000 mg/kg = 10000 ppm



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**3. US California Proposition 65 – Cadmium Content**

Method: Acid Digestion

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test Item(s)			Cadmium (Cd)
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Orange woven band	3	1	ND

- Note:
- ppm = parts per million
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit = 5 ppm

**Summary of permissible limits of Cadmium requirement(s):**

Requirement(s)	Permissible Limit of Cadmium (ppm)	Effective Date
California Proposition 65 (County of Alameda Court Case No. RG-10-514803 [Consolidated with Case No. RG 10-545680 and RG 10-545687])	300	Current
Client's Limit	75	Current



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### 4. Color Fastness to Perspiration

(ISO 105-E04:2013, test specimen in vertical position)

	<u>Orange woven band</u>	<u>Client's Limit</u>
<u>Acidic</u>		
Change in shade	4-5	Min.4
Staining on multi-fiber stripe		
Acetate	4-5	Min.4
Cotton	4-5	Min.4
Nylon	4-5	Min.4
Polyester	4-5	Min.4
Acrylic	4-5	Min.4
Wool	4-5	Min.4
<u>Alkaline</u>		
Change in shade	4-5	Min.4
Staining on multi-fiber stripe		
Acetate	4-5	Min.4
Cotton	4-5	Min.4
Nylon	4-5	Min.4
Polyester	4-5	Min.4
Acrylic	4-5	Min.4
Wool	4-5	Min.4

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.



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