



Test Report

No.: T51710190111SN

Date: FEB 22, 2017

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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	:	MADE IN CHINA
Country of Destination	:	WORLD WIDE
Requested Age Grading	:	3+
Sample Receiving Date	:	FEB 17, 2017
Testing Period	:	FEB 17, 2017 TO FEB 22, 2017



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

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Test Requested		Conclusion
1.	Color Fastness To Perspiration (ISO 105-E04:2013)	SEE RESULT
2.	Color Fastness To Laundering (ISO 105-C06:2010)	SEE RESULT
3.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – AZO Colourants	PASS
4.	CPSIA section 101 - Total Lead content in the specified specimen(s) as listed	--
	CPSIA section 101(a) (2) – Lead in accessible substrate materials (Including Children’s Metal Jewelry)	PASS
5.	US 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 in the specified specimen(s) as listed	PASS
	Client’s Requirement – Cadmium Content in the specified specimen(s) as listed	PASS

***** 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



Feng Shaohong, Jessica
 Lab Manager



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Results:

1. Color Fastness To Perspiration
(ISO 105-E04:2013)

	<u>Red woven band</u>
Acidic	
Change in shade	4-5
Staining on multi-fiber stripe	
Acetate	4-5
Cotton	4-5
Nylon	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5
Alkaline	
Change in shade	4-5
Staining on multi-fiber stripe	
Acetate	4-5
Cotton	4-5
Nylon	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5

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

2. Color Fastness To Laundering
(ISO 105-C06:2010;

Single test A2 with 4g/l 'ECE' detergent & 1g/l sodium perborate solution with 10 steel balls.)

	<u>Red woven band</u>
Change in shade	4-5
Staining on multi-fiber stripe	
Acetate	4-5
Cotton	4-5
Nylon	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5
Cross staining	/

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



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3. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – 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		
Alias No.	--	1	--	--
Tracing No.	--	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. Red 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

4. 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 **(ppm)	100		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Red woven band	2	1	ND

** Permissible Limit applies to a children's product 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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5. 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. Red 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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