

Test Report

Number: GZHT01943772

Applicant: JIANGSU QICAI TEXTLIE DYEING GO.,LTD
JIANGSUSHENG YANCHENGSHI
SHEYANGXIAN LINHAIZHEN
GONGYEYUANQU
Attn: 陈铁山

Date: Apr 24, 2018

Sample Description As Declared :

No. Of Sample : One
Fibre Content : Polyester
Material : Knitted Fabric
Finishing : -
End Uses : Adult Garment/Toys
Season : -
Colour : Yellow
Style No. : -
Order No./PO No. : -
Buyer's Name : -
Manufacturer's Name : -
Ref. : -

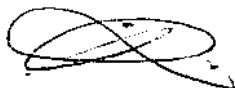
Applicant's Provided Care Instruction/Label :

-

Date Received/Date Test Started : Apr 16, 2018

Date Final Information Confirmed: Apr 18, 2018

Prepared And Checked By:
For Intertek Testing Services Guangzhou Ltd.



Lin Lin
General Manager

ch / liangyt



Page 1 Of 8

Test Report

Number: GZHT01943772

Conclusion:

Determination Of Formaldehyde (Part 1)	#
Colour Fastness To Rubbing	M*
Colour Fastness To Perspiration	M*
Total Cadmium (Cd) Content	#
Azo Dyes	M1
Phthalate Content Test	M
Toxic 19 Elements Migration Test	M#2

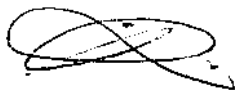
Note : C = Conform Label
M = Meet Applicant's Requirement
F = Fail To Meet Applicant's Requirement
= No Comment
* = See Remark

M* = Commercially Acceptable
F* = Commercially Unacceptable
N/A = Not Applicable
- = Did Not Perform

Remark:

M1 The sample passes in Azocolourants Content Requirement In Annex XVII Item 43 Of The REACH Regulation (EC) NO. 1907/2006 & Amendment No. 552/2009 and 126/2013 (Formerly Known As Directive 2002/61/EC).
M#2 The testing scope of the following standard(EN 71-3:2013+A1:2014 / / A2:2017) was not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

Prepared And Checked By:
For Intertek Testing Services Guangzhou Ltd.



Lin Lin
General Manager

ch / liangyt



Page 2 Of 8

Test Report

Number: GZHT01943772

Tests Conducted (As Requested By The Applicant)

- 1 Determination Of Formaldehyde (Part 1) : Free And Hydrolyzed Formaldehyde (ISO 14184-1:2011):

Not Detectable

Remark : Detection limit = 5 ppm

- 2 Colour Fastness To Rubbing (ISO 105 X12-2016):

Dry	4-5
Wet	4-5

- 3 Colour Fastness To Perspiration (ISO 105 E04-2013):

	<u>Acid</u>	<u>Alkaline</u>
Colour Change	4-5	4-5
Colour Staining		
-Acetate	4-5	4-5
-Cotton	4-5	4-5
-Nylon	4-5	4-5
-Polyester	4-5	4-5
-Acrylic	4-5	4-5
-Wool	4-5	4-5

ch / liangyt

Test Report

Number: GZHT01943772

Tests Conducted (As Requested By The Applicant)

4 Cadmium (Cd) Content:

With Reference To Methods EN 1122:2001 (Method B)/ IEC 62321:2008/ ISO 11885:2007, Acid Digestion Method Was Used And Total Cadmium Content Was Determined By Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %
(1)	ND

Requirement:	
Category	Limit (%)
Paints With Codes [3208] And [3209]	0.01
Paints With Codes [3208] [3209] With A Zinc Content Exceeding 10 % By Weight Of The Paint	0.1
Painted Article	0.1
Plastic	0.01
Metal Parts Of Jewellery & Hair Accessories	0.01

Remark : ND = Not Detected (<0.0005%)

= The Tested Component (1) Was/Were Not Paint, Coating, Plastic, Metal In Jewellery & Brazing Filler, But The Testing Results Of Tested Component (1) Did Not Exceed The Cadmium Content Requirement In Commission Regulation (EU) No. 494/2011 Of 20 May 2011, (EU) No. 835/2012 Of 18 September 2012 And (EU) No. 2016/217 Of 16 February 2016 Amending Annex XVII Items 23 Of The Reach Regulation (EC) No. 1907/2006.

ch / liangyt

Test Report

Number: GZHT01943772

Tests Conducted (As Requested By The Applicant)

5 Detection Of Amines Derived From Azocolourants And Azodyes:

By Gas Chromatographic - Mass Spectrometric (GC-MS) And High Performance Liquid Chromatographic (HPLC) Analysis.

Test Method : EN 14362-1 : 2012 For Textile Material
EN ISO 17234-1: 2010 For Leather Material
EN 14362-3 : 2012 & EN ISO 17234-2: 2011 For p-Aminoazobenzene

	<u>Forbidden</u>	<u>Cas No.</u>	<u>Result</u>
			(1)
1.	4-Aminodiphenyl	92-67-1	N
2.	Benzidine	92-87-5	N
3.	4-Chloro-o-Toluidine	95-69-2	N
4.	2-Naphthylamine	91-59-8	N
5.	o-Aminoazotoluene	97-56-3	N
6.	2-Amino-4-Nitrotoluene	99-55-8	N
7.	p-Chloroaniline	106-47-8	N
8.	2,4-Diaminoaniline	615-05-4	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N
10.	3,3'-Dichlorobenzidine	91-94-1	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N
12.	3,3'-Dimethylbenzidine	119-93-7	N
13.	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	N
14.	p-Cresidine	120-71-8	N
15.	4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	N
16.	4,4'-Oxydianiline	101-80-4	N
17.	4,4'-Thiodianiline	139-65-1	N
18.	o-Toluidine	95-53-4	N
19.	2,4-Toluylenediamine	95-80-7	N
20.	2,4,5-Trimethylaniline	137-17-7	N
21.	o-Anisidine	90-04-0	N
22.	p-Aminoazobenzene	60-09-3	N

Remark : N = Not detected

Detection limit = 5 ppm

Requirement = 30 ppm (Max.)

ppm = parts per million = mg/kg

ch / liangyt

Test Report

Number: GZHT01943772

Tests Conducted (As Requested By The Applicant)

6 Phthalate Content Test

With reference to ISO 14389:2014 or EN 14372:2004, BY Gas Chromatographic-Mass Spectrometric (GC-MS) Analysis.

	<u>Result (% w/w)</u>	<u>Limit (% w/w)</u>
	(1)	(Max.)
Dibutyl Phthalate (DBP)	<0.01	
Di(2-ethylhexyl) Phthalate (DEHP)	<0.01	
Benzyl Butyl Phthalate (BBP)	<0.01	
sum	<0.01	0.1
	<u>Result (% w/w)</u>	<u>Limit (% w/w)</u>
	(1)	(Max.)
DI-ISO-Nonyl Phthalate (DINP)	<0.01	
DI-N-Octyl Phthalate (DNOP)	<0.01	
DI-ISO-Decyl Phthalate (DIDP)	<0.01	
sum	<0.01	0.1

Remark: Detection Limit = 0.01% (w/w)

ch / liangyt

Test Report

Number: GZHT01943772

Tests Conducted (As Requested By The Applicant)

7 19 Toxic Elements Migration Test

(A) Test Result

As per EN 71-3: 2013 and amendment A1:2014 / EN71-3: 2013 and amendment A2: 2017 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, .

Category (III): Scraped-off toy material

<u>Element</u>	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
	(1)	
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)	< 10	460
Chromium (VI) (Cr VI)	< 0.15	0.2
Cobalt (Co)	< 10	130
Copper (Cu)	< 10	7700
Lead (Pb)	< 10	160 / 23 Ø
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	< 3.0	12
Zinc (Zn)	< 100	46000

ch / liangyt

Test Report

Number: GZHT01943772

Tests Conducted (As Requested By The Applicant)

Remark: mg/kg = Milligram per kilogram
spl. wt. = Sample weight

- Organic tin test result was expressed as tributyl tin.
- Unless specified, test results of Chromium (III), Chromium (VI) and Organic tin were derived from migration results of total chromium and tin respectively.
- Migration of Chromium (III) = Migration of total Chromium – Migration of Chromium(VI), when performed confirmation test for Chromium (VI)

Ø = The new lead migration limit [(2.0mg/kg for Category (I), 0.5mg/kg for category (II) and 23 mg/kg for Category (III)) were quoted from directive (EU) 2017/738 amending 2009/48/EC effective from 28 October 2018.

Tested Component:

(1) Yellow polyester velour fabric

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.

ch / liangyt