

Valued Quality. Delivered.

Hong Kong Government Recognized Service Supplier
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute
American Society for Testing and Materials
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH02015160

Applicant: SHENZHEN GLOBAL WEIYE CLOTHING CO LTD
BUILDING 3A
SHANG LI LANG TECHNOLOGY PARK
LONGGANG DISTRICT
SHENZHEN 518112 CHINA
Attn: IVY RUAN

Date: Sep 12, 2016

Submitted sample said to be :
Item Name : **Kid's Cotton T Shirts**
Reference No. : FLTS004a/b-17
Quantity : 2 pieces
Buyer : Brand Inc
Country of Origin : China



For and on behalf of :
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung
Vice President





Valued Quality. Delivered.

Hong Kong Government Recognized Service Supplier
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute
American Society for Testing and Materials
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH02015160

Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) ISO 3756-2011 / ISO 5077-2007 / ISO 6330-2012 - Dimensional Stability To Washing	Pass
(2) ISO 105 C06 A2S-2010 - Colour Fastness To Washing	Pass
(3) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 43 & amendment no. 552/2009 and 126/2013 (formerly known as Directive 2002/61/EC) - Azocolourants content requirement	Pass



Test Report

Number: HKGH02015160

- (1) Dimensional Stability To Washing (ISO 3759-2011/ISO 5077-2007/ISO 6330-2012, Wascator Washing Machine-Front-Loading Horizontal Rotating Drum Type, Test Programme 4N, 40°C With 100% Cotton 2 kg Total Load, In 20 g Non-Phosphate Reference Detergent 3, Followed By Line Dry With Hand Ironing):

9-11 Years	Original =====	After One Wash =====	Dimensional Change =====
	(cm)	(cm)	(%)
Neck Opening	44.8	42.4	-5.4
Shoulder	39.3	38.5	-2.0
Chest	92.0	88.6	-3.7
Armhole	43.0	40.6	-5.6
Centre Back Length	50.7	55.9	-4.8
Sleeve Length	19.3	18.7	-3.1

Remark : (+) Means Extension and (-) Means Shrinkage

Date sample received : Aug 26, 2016

Testing period : Aug 26, 2016 to Aug 30, 2016

- (2) Colour Fastness To Washing (ISO 105 C06 A2S-2010, Single Test, 30 Minutes Mechanical Wash At 40°C In 0.4% ECE Reference Detergent And 0.1% Sodium Perborate Solution With 10 Steel Balls):

6-8 Years	
Colour Change	4
Colour Staining	
-Acetate	4-5
-Cotton	4-5
-Nylon	4-5
-Polyester	4-5
-Acrylic	4-5
-Wool	4-5

Date sample received : Aug 26, 2016

Testing period : Aug 26, 2016 to Aug 30, 2016



Test Report

Number: HKGH02015160

(3) Detection Of Amines Derived From Azocolourants and Azodyes

Test Method : By extraction on cut sample according to the below listed test method(s), followed by Gas Chromatographic - Mass Spectrometric (GC-MS) analysis.

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

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

Remark : N = Not detected
Detection limit = 5 ppm
Requirement = 30 ppm (max.)
ppm = parts per million = mg/kg





Valued Quality. Delivered.

Hong Kong Government Recognized Service Supplier
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute
American Society for Testing and Materials
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH02015160

Tested Components :

- (1) White satin with (red, black) printings (sewn-in label) .
- (2) Dull blue knit (collar of T shirt) .
- (3) Blue knit (body of T shirt) .
- (4) Dark blue coated blue knit (KIDS'CLUB by FAMILY LIFE letters) .
- (5) White/yellow/aqua coated blue knit (@611 letters) .

Date sample received : Aug 26, 2016

Testing period : Aug 26, 2016 to Sep 02, 2016

End of report

Except where explicitly agreed in writing, all work and services performed by Intertek is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms/>. Intertek's responsibility and liability are limited to the terms and conditions of the agreement.

This report is made solely on the basis of your instructions and / or information and materials supplied by you and provide no warranty on the tested sample(s) be truly representative of the sample source. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. This report does not discharge or release you from your legal obligations and duties to any other person. You are the only one authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk.

This report shall not be reproduced, except in full.

