

NUMBER : TSNT01248079

Applicant : Zhuozhou Xusheng Hats Co., Ltd.

Date : 8/11/2019

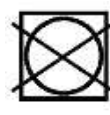
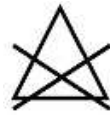
Attn : Sophia Jia

Sample Description : (A) 100% Wool Felt Fabric In Black, (B) Woven Band In Black, (C) Non-Plating Eyelet Cap In Iron, (D) Non-Plating Eyelet Bottom In Black
End Use: Adult Garment.

Sample Received : 30/10/2019

Your Reference : Style No.: 19K07SBLK/BLK/OS
Line No.: -
Supplier Ref/Line No.: -
Supplier Name: [REDACTED]
Supplier Code: 4700
Dept: -
Style Description: -
Dye Tape: -
Origin of Fabric: China
Season Code: -
Contrast Trim: No
Buyer's Name: [REDACTED]
Export Country: UK
Standard: Arcadia Group Fabric Performance Table 13 & Chemical Compliance Requirements

**Applicant's Provided
Care Instruction :**



Authorized By :
For Intertek Testing Services
(Tianjin) Ltd.


Patrick Gong
General Manager

Request : Fibre Composition AG43
PH Value AG71
Colour Fastness To Water AG2
Colour Fastness To Rubbing AG3
Colour Fastness To Perspiration AG4
Detection Of Amines Derived From Azocolourants and Azodyes
Allergenic Disperse Dyes And Carcinogenic Dyes:
Phthalates AG131
Total Lead (Pb) Content AG130
In Accordance With Arcadia Specification.

**Tests Conducted
& Results :** See Attachment

**Sample A Conforms To The Declared Fibre Content
Sample B Should Be Labelled As : "100% Polyester "
The Result Of The Test Carried Out Do Not Meet The Requirement Of The
Arcadia Specification In Respect Of Colour Fastness To Water Of Sample A,
Colour Fastness To Rubbing Of Sample A .
The Other Results Of The Tests Carried Out Meet The Requirements Of The
Arcadia Specification.**

Authorized By :
For Intertek Testing Services
(Tianjin) Ltd.



Patrick Gong
General Manager

Tests conducted :

Code	Test Method	Result	Requirements				
AG43	Fibre Identification						
	Regulation (EU) No 1007/2011 Annex VIII						
	Sample (A)*	100% Wool	0%				
	Sample (B)	100% Polyester	+/-1%				
	Remark: *Sample Contains Trace Amount Of Other Fibre						
AG71	pH Value						
	Extracting Solution: KCl Solution						
	Sample (B)	6.7	4.0-7.5				
AG2	Colour Fastness To Water						
		Staining Onto:					
	Shade Change	Acetate	Cotton	Nylon	Polyester	Acrylic	Wool
	Requirements	4	4	4	4	4	4
	Sample (A)	4-5	3-4	3-4	1-2	2-3	3-4
	Sample (B)	4-5	4-5	4-5	4-5	4-5	4-5
AG3	Colour Fastness To Rubbing						
		Original		After			
		Dry	Wet	Dry	Wet		
	Requirements	4	4	-	-		
	Sample (A)		2-3	2			
	Sample (B)		4-5	4-5			

Tests conducted :

Code	Test Method	Result	Requirements
AG4	Colour Fastness To Perspiration		

	Shade change	Staining Onto:					
		Acetate	Cotton	Nylon	Polyester	Acrylic	Wool
Requirements	4	4	4	4	4	4	4

Acid							
Sample (B)	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Alkaline							
Sample (B)	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Total Cadmium (Cd) Content :

Non Metal: With Reference To EN 1122:2001 (Method B), Analysis Was Performed By ICP-OES.
Metal: In House Method(Aqua Regia)- Sample Was Digested With Concentrated Acid. Analysis Was Performed By AAS.

<u>Tested Sample</u>	<u>Result (ppm)</u>	100ppm
(C)	ND	
(D)	ND	

Remark : ppm = parts per million = mg/kg
ND = Not Detected
Detection Limit = 5 ppm

AG130 Total Lead (Pb) Content

With Reference To CPSC-CH-E1001-08.3 (For Metal), By Acid/Microwave Digestion And Followed By Flame Atomic Absorption Spectrometry Analysis.

	Result (ppm)	Requirement
(C)	15	40 ppm
(D)	ND	40 ppm

Remark : ppm = parts per million = mg/kg
ND = Not detected
Detection Limit = 10 ppm

Tests conducted :

Code	Test Method	Result	Requirements
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Detection Of Amines Derived From Azocolourants and Azodyes

By Gas Chromatographic - Mass Spectrometric (GC-MS) Analysis.

Test Method : BS EN ISO 14362-1 : 2017 For Textile Material

	Forbidden	Cas No.	Result in mg/kg Method T (A)	Requirement in mg/kg 20(Max.)
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-Diaminoanisole	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	
23.	2,4-Xylidene	95-68-1	N	
24.	2,6-Xylidene	87-62-7	N	

Remark : N = Not detected
 Detection Limit = 5 mg/kg
 Requirement = 20 mg/kg (Max.)
 ppm = parts per million = mg/kg

Method T : Direct buffer extraction as per EN ISO 14362-1 : 2017 Section 9.2

Tests conducted :

Code	Test Method	Result	Requirements
Allergenic Disperse Dyes And Carcinogenic Dyes			
With Reference To DIN 54231:2005, By Liquid Chromatography – Mass Spectrometric (LC-MS) And HPLC Determination.			
Compound	CAS No	Result In ppm (B)	30 ppm
Disperse Blue 1	2475-45-8	ND	
Disperse Blue 3	2475-46-9	ND	
Disperse Blue 7	3179-46-9	ND	
Disperse Blue 26	3860-63-7	ND	
Disperse Blue 35	12222-75-2	ND	
Disperse Blue 102	12222-97-8	ND	
Disperse Blue 106	12223-01-7	ND	
Disperse Blue 124	61951-51-7	ND	
Disperse Brown 1	12236-00-9	ND	
Disperse Red 1	2872-52-8	ND	
Disperse Red 11	2872-48-2	ND	
Disperse Red 17	3179-89-3	ND	
Disperse Orange 1	2581-69-3	ND	
Disperse Orange 3	730-40-5	ND	
Disperse Orange 11	82-28-0	ND	
Disperse Orange 37	12223-33-5	ND	
Disperse Orange 76	51811-42-8	ND	
Disperse Yellow 1	119-15-3	ND	
Disperse Yellow 3	3832-40-8	ND	
Disperse Yellow 9	6373-73-5	ND	
Disperse Yellow 23	6250-22-3	ND	
Disperse Yellow 39	12236-29-2	ND	
Disperse Yellow 49	54824-37-2	ND	
Acid Red 26	3761-53-3	ND	
Basic Red 9	569-61-9	ND	
Basic Violet 14	632-99-5	ND	
Direct Black 38	1937-37-7	ND	
Direct Blue 6	2602-46-2	ND	
Direct Red 28	537-58-0	ND	
Disperse Blue 1	2475-45-8	ND	
Disperse Orange 11	82280-0	ND	
Disperse Yellow 3	2832-40-8	ND	
Michlers base	101-61-1	ND	
CI Basic Violet 3	548-62-9	ND	
CI Basic Blue 26	2580-56-5	ND	
CI Solvent Blue 4	6786-83-0	ND	

Tests conducted :

Allergenic Disperse Dyes And Carcinogenic Dyes(Cont'd)

Remark : ppm = parts per million = mg/kg

ND = Not detected

Detection Limit = 15 ppm

Code	Test Method	Result		Requirements
AG83	Release Of Nickel For Coated Item EN12472 : 2005 + A1 : 2009 And EN1811 : 2011+ A1:2015			
	Tested Sample/Component	(C)	(D)	
	Trial	1		
	Sample Area(cm ²)	2.1	3.7	
	Volume Of Test Solution(mL)	2.1	3.7	
	Result Δ (μg/cm ² /week)	<0.05	<0.05	0.5 μg/cm ² /week
	Trial	2		
	Sample Area(cm ²)	2.1	3.7	
	Volume Of Test Solution(mL)	2.1	3.7	
	Result Δ (μg/cm ² /week)	<0.05	<0.05	0.5 μg/cm ² /week
	Trial	3		
	Sample Area(cm ²)	2.1	3.7	
	Volume Of Test Solution(mL)	2.1	3.7	
	Result Δ (μg/cm ² /week)	<0.05	<0.05	0.5 μg/cm ² /week
	Remark : Detection Limit = 0.05 μg/cm ² /week			

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