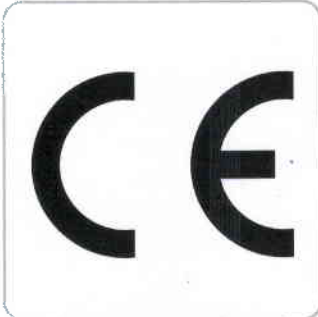


EC Type Examination Certificate



Approved Body 0362

The garment detailed herein meets the criteria of an EC Type Examination in accordance with Article 10 of the PPE Directive (89/686/EEC) including amendments and corrigendum up to 14/12/2010 for intermediate design category products.

This has been shown through satisfactory testing to EN ISO 20471:2013, EN ISO 13688:2013, EN 343:2003+A1 2007 and examination of the Technical File Documentation.

Following an EC Declaration of Product Conformity, you are hereby licensed to mark the product(s) detailed in accordance with Article 13 of the PPE Directive (89/686/EEC).

ITS Testing Services (UK) Ltd.
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Issued to : Ozbay is Guvenligi Malz.San.ve Tic. Ltd. Sti,
Tersane Cad. 113B Karakoy, Istanbul, Turkey

Manufacturer : Fuzhou Jinlite Garments Co., Ltd
4th Floor, Building 07, No. 76 Xiao Hou Shan, Yuan Feng
Road, Gaoxin Industrial Park, Nan Yu Town, Fuzhou,
Fujian, China (350109)

Certificate No. : LECFI00364635 (Extension to Certificate FI00360582)

Date of Issue : 23 August 2016

Expiry Date : 10 September 2020

Product Reference(s) : Vento PR-03 Hi Vis Parka with storm flap and zip
fastening

Description : High Visibility Parka in compliance with EN ISO
20471:2013 with Class 3 Minimum areas of yellow or
orange background material and retroreflective tape.
Retroreflective tape – Two bands encircling the torso and
two bands encircling each arm.

Also in compliance with EN 343:2003+A1 2007
Class 1 for water penetration
Class 1 for water vapour resistance



P. Williamson

Paul Williamson - Assessor

23/08/2016

Date

J. Moore

Joyce Moore - Certification Manager

23/08/2016

Date

For and on behalf of **ITS Testing Services (UK) Limited**

Registered in England No. 1408264 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ

Intertek

Test Report

Tests Conducted (As Requested By The Applicant)



Number: GZHT90530854



RW / mikaliang

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Intertek Testing Services Shenzhen Limited, Guangzhou Branch
Block E, No.7-2, Caipin Road, Guangzhou Science City, Getdd Guangzhou.

深圳天祥质量技术服务有限公司广州分公司

广州经济技术开发区科学城彩频路7号之二E栋

Tel: +86 20 8213 9001 Fax: +86 20 8208 9909 Postcode: 510663

Test Report

Number: GZHT90530854

Tests Conducted (As Requested By The Applicant)
Design and Ergonomic (ISO 13688:2013, 4.3 & Annex C) (Cont)

2. Ergonomic (ISO 13688:2013, Annex C)

Ergonomic Features Of Protective Clothing (Practical Performance Tests)	Pass	Fail	Not know	N/A
a) Is The Protective Clothing Free From Any Sharp Or Hard Edges, Protruding Wire Ends, Rough Surfaces Or Other Items On The Inner Or Outer Surface Of The Clothing That Are Likely To Cause Harm To The User Or Others?	X			
b) Is It Possible To Put On And Take Off The Protective Clothing Without Difficulty? (Consider The Ease Of Putting On And Removing The Clothing With Or Without Assistance As Is Appropriate For The Type Of Clothing)	X			
Is The Clothing Too Tight For Comfort? Deep Breathing Is Not Restricted And There Is No Blood Flow Restriction Anywhere?	X			
Is The Clothing Designed At Armholes & Crutch Etc? So They Are Not Proportioned And Positioned?	X			
c) Can The Closures, Adjuster And Restraint Systems Be Operated Without Difficulty?	X			
d) Does The Protective Clothing Cover The Body Areas Intended To Be Protected And Is Coverage Maintained During Movements?	X			
Is The Coverage Of Any Specified Protection Zones By Protective Materials Or Special Constructions Adequate?				X
Is Coverage Maintained During Movements As Extreme As It Is Anticipated A User Would Make?	X			
e) Can The Following Movements Be Carried Out Without Difficulty:	X			
Standing, Sitting, Walking And Stair Climbing?	X			
Raising Both Hands Above The Head?	X			
Bending Over & Picking Up A Small Object Such As A Pencil?	X			
Is The Clothing Designed So That The Arms & Legs Are Not Too Long To Interfere With Hand And Foot Movements?	X			
Is The Clothing Designed So There Are No Points At Which Unexpected And Unintended Gaps Open Up Between Or Within The Components Of The Clothing?	X			
f) Is The Protective Clothing Compatible With Other Items Of PPE?				X
Is The Protective Clothing That Is Normally Worn As Part Of An Ensemble Compatible With Representative Examples Of The Rest Of The Ensemble?				X
Can Other Items Of PPE Such As Gloves And Boots Be Put On & Removed Without Difficulty?	X			

Remark: # = Not Know

Compliance: The Submitted Sample **MEETS** The Requirements Of EN ISO 13688:2013 Clause 4.0 For Design & Ergonomic Features

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Test Report

Tests Conducted (As Requested By The Applicant)

B Design and Ergonomic (ISO 13688:2013, 4.3 & Annex C)

1. Design (ISO 13688:2013, 4.3)

	Pass	Fail	N/A
Position On User Remain During Full Range Of Movements	X		
Adequate Range Of Size	#		
Does Design Of Protective Clothing Ensure That No Parts Of Body Get Uncovered By Expected Movements Of The Wearer If This Is Defined In The Specific Standard?			X
Can The Garment Be Put On And Taken Off Easily, Are Arm And Knee Bending Movements Possible And Unprotected Body Areas Do Not Appear During Movements?	X		
Is There An Adequate Overlap Of Jacket And Trousers?	X		
Is Manufacturer's Information Adequate To Explain The Correct Usage Of The Protective Clothing?			
Does Protective Clothing Design Take Into Account Other Items Of Protective Clothing Or Equipment Which Must Be Worn To Form An Overall Protective Ensemble?			X
Strength As Per Specific Standard?	#		

Test Report

Number: GZHT90530854

Tests Conducted (As Requested By The Applicant)
Design (EN ISO 20471:2013, 4.1 & 4.2) (Cont)

5. Garment Covering Legs (EN ISO 20471:2013, Clause 4.2.3)

Requirement	Yes	No	N/A
Does The Background Material Encircle The Legs?			X
Is The Minimum Width (Height) Of The Background Material Greater Than 50 Mm?			X
Is The Minimum Width Of The Retroreflective Material Greater Than 50 Mm?			X
Does The Garment Have Two Or More Bands Of Retroreflective Material Encircling Each Leg At Least 50 Mm Apart?			X
Is The Maximum Inclination Of The Bands $\pm 20^\circ$ To The Horizontal?			X
Is The Bottom Of The Lower Torso At Least 50mm From The Bottom Edge Of The Garment?			X
Are Any Gaps (For Fastness And Seams) In The Lengthwise Continuity Of Each Band Of Retroreflective Or Combined Performance Material Less Than 50 Mm When Measured Parallel To The Direction Of The Band?			X

6. Garment Covering Torso And Legs (EN ISO 20471:2013, Clause 4.2.4)

Requirement	Yes	No	N/A
Does The Background Material Encircle The Torso And Legs?			X
Is The Minimum Width (Height) Of The Background Material Greater Than 50 Mm?			X
Is The Minimum Width Of The Retroreflective Material Greater Than 50 Mm?			X
Have The Requirement Of 4.2.1 And 4.2.3 Been Applied?			X

7. Garment Covering Torso, Arms And Legs (EN ISO 20471:2013, Clause 4.2.5)

Requirement	Yes	No	N/A
Does The Background Material Encircle The Torso, The Sleeves And Legs?			X
Is The Minimum Width (Height) Of The Background Material Greater Than 50 Mm?			X
Is The Minimum Width Of The Retroreflective Material Greater Than 50 Mm?			X
Have The Requirement Of 4.2.2 And 4.2.3 Been Applied?			

Compliance: The Submitted Sample **MEETS** The Design Requirements (Class 3) Of EN ISO 20471:2013 Clause 4.0.

Test Report

Number: GZHT90530854

Tests Conducted (As Requested By The Applicant)
Design (EN ISO 20471:2013, 4.1 & 4.2) (Cont)

4. Garment Covering Only The Torso And Arms (EN ISO 20471:2013, Clause 4.2.2)

Requirement	Yes	No	N/A
Is The Minimum Width (Height) Of The Background Material Greater Than 50 Mm?	X		
Is The Minimum Width Of The Retroreflective Material Greater Than 50 Mm?	X		
Does The Garment Have One Or More Bands Of Retroreflective Material Encircling The Torso?	X		
Is The Maximum Inclination Of The Bands $\pm 20^\circ$ To The Horizontal?	X		
Are There Bands Of Retroreflective Material Joining The Torso Band From The Front To The Back Over Each Shoulder?		X	
Is The Bottom Of The Lower Torso Band At Least 50 Mm From The Bottom Edge Of The Garment?	X		
If There Are More Than One Horizontal Band Are The Bands More Than 50 Mm Apart?	X		
If A Sleeve Blocks A Clear View Of A Horizontal Band, Is The Sleeve Encircled By A Retroreflective Band?	X		
Is The Garment Has Long Sleeves (1/1 Arm) The Lower Band At Least 50 mm Above, Is The Sleeve Encircled By Two Bands Of Retroreflective Material At Least 50 mm Apart?	X		
If A Sleeve Blocks A Clear View Of A Two Horizontal Bands, Is The Sleeve Encircled By Two Retroreflective Bands At Least 50 Mm Apart?	X		
Is The Lower Band At Least 50 Mm Above The Sleeve Edge?	X		
Are Any Gaps (For Fastening And Seams) In The Longwise Continuity Of Each Band Of Retroreflective Or Combined Performance Material Less Than 50 Mm When Measured Parallel To The Direction Of The Band?	X		
Is The Total Of Such Gaps Less Than 100 Mm In Any One Band Around The Torso?	X		

Test Report

Number: GZHT90530854

Tests Conducted (As Requested By The Applicant)

Design (EN ISO 20471:2013, 4.1 & 4.2) (Cont)

2. Garment Covering Only The Torso (EN ISO 20471:2013, Clause 4.2.1)

Requirement	Yes	No	N/A
Does The Background Material Encircle The Torso?			X
Is The Minimum Width (Height) Of The Background Material Greater Than 50 Mm?			X
Is The Minimum Width Of The Retroreflective Material Greater Than 50 Mm?			X
Does The Garment Have One Or More Bands Of Retroreflective Material Encircling The Torso?			X
Is The Maximum Inclination Of The Bands $\pm 20^\circ$ To The Horizontal?			X
Are There Bands Of Retroreflective Material Joining The Torso Band From The Front To The Back Over Each Shoulder?			X
Is The Bottom Of The Lower Torso Band At Least 50 Mm From The Bottom Edge Of The Garment?			X
If There Are More Than One Horizontal Band Are The Bands More Than 50 Mm Apart?			X

3. Alternately

Does The Garment Have Two Bands Of Retroreflective Material Encircling The Torso?			X
Are The Bands Great Than 50 Mm Apart?			X
Is The Maximum Inclination Of The Bands $\pm 20^\circ$ To The Horizontal?			X
Is The Bottom Of The Lower Torso Band At Least 50 Mm From The Bottom Edge Of The Garment?			X
Are Tabards Constructed So That A Person For The Size For Which They Are Designed Can Wear The Tabard So That Any Gaps At The Sides Are Not Great Than 50 Mm Horizontally?			X
Are Any Gaps (For Fastening And Seams) In The Lengthwise Continuity Of Each Band Of Retroreflective Or Combined Performance Material Less Than 50 When Measured Parallel To The Direction Of The Band?			X
Is The Total Of Such Gaps Less Than 100 Mm In Any One Band Around The Torso?			X

Test Report

Number: GZHT90530854

Tests Conducted (As Requested By The Applicant)

A Design (EN ISO 20471:2013, 4.1 & 4.2)

1. Type and Class (EN ISO 20471:2013, Clause 4.1)

Background Area = 1.1950 m²
 Retroreflective Area = 0.2040 m²

Equals EN ISO 20471:2013 Class - 3

Minimum Required Areas Of Visible Material			
Material	Class 3 Garments	Class 2 Garments	Class 1 Garments
Background Material	0.80 m ²	0.50 m ²	0.14 m ²
Retroreflective Material	0.20 m ²	0.13 m ²	0.10 m ²
Combined Performance Material	n.a.	n.a.	0.20 m ²

Note: The Garment Shall Comprise The Required Areas Of **Background Material** And **Retroreflective Material** Or Alternatively Shall Comprise The Required Areas Of **Combined Performance Material**. The Clothing Class Is Determined By The Lowest Area Of Visible Material.

Requirement	Yes	No	N/A
If The Garment Is Class 3 Does It Cover The Torso And A Minimum Of Either Sleeves With Reflective Bands Or Full Trousler Legs With Reflective Bands, If Not Both?	X		
If Garment Is Part Of An Ensemble What Item Must It Be Worn With?			X
What Class Does The Ensemble Meet?			X
Is At Least 50 ± 10% Of The Minimum Area Of Visible Background Material On The Front Part Of The Garment?	X		



Test Report

Number: GZHT90530854

Applicant: FUZHOU JINLITE GARMENTS CO LTD
3RD FLOOR GJ-1 E&D GROUP INDUSTRIAL ZONE
QIAN ROAD FUWAN INDUSTRIAL GARDEN
CANGSHAN FUZHOU FUJIAN
CHINA
Attn: IVY ZHUANG

Date: Jul 27, 2015

Sample Description:

One (1) pieces of submitted sample said to be High Visibility warning clothing for professional use in Fluorescent Orange-Red.

- Standard : EN ISO 20471:2013
- Size (s) Range : S-3XL
- Garment : Fabric Garment
- Construction : 1 PC
- Classifications Claimed : Class 2
- Background Fabric : 100% polyester 170T/pvc coating
- Retroreflective Material : Silver 5CM wide, polyester backed
- Lining : 180T polyester taffeta
- Collar : Same as background fabric
- Ribbing/Cuffs : Same as background fabric
- Binding : N/A
- Non-Fluorescent Material : PU leather Buttons
- Zipper : #5 vislon zipper, open end
- Vendor : FuZhou Jinlite Garments Co.,Ltd
- Manufacturer : FuZhou Jinlite Garments Co.,Ltd
- Country Of Original : China
- Date Received/Date Test Started : Jun. 30, 2015
- Date Final Information Confirmed: --

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager

RW / mikaliang





Test Report
Tests Conducted (As Requested By The Applicant)



Number: GZHT90525435



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Intertek Testing Services Shenzhen Limited, Guangzhou Branch
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 广州经济技术开发区科学城彩频路7号之二E栋
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Test Report

Number: GZHT90525435

Tests Conducted (As Requested By The Applicant)

Nickel Release For Direct Prolonged Skin Contact Products: (Cont)

Tested Components:

- (1) Silver Color Metal With Florescent Yellow Coating (Zipper Puller & Zipper Slider & Zipper Head Of Sample K).
- (2) Silver Color Metal With Florescent Orange Coating (Zipper Puller & Zipper Slider & Zipper Head Of Sample L).
- (3) Black Metal (Button Of Sample I).
- (4) Pitch Black Metal (Cap Of Rivet Of Sample N).

Conclusion :

Standard

Regulation (EC) No.1907/2006 Annex XII Item 27 and its
Amendment No. 552/2009 (Formerly Known as Directive
94/27/EC)

Result

Pass

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Test Report

Number: GZHT90525435

Tests Conducted (As Requested By The Applicant)

Nickel Release For Direct Prolonged Skin Contact Products: (Cont)

With reference to EN12472: 2005 + A1: 2009 and EN1811: 2011.

<u>Tested Component</u>	<u>Trial</u>	<u>Sample Area (cm²)</u>	<u>Volume Of Test Solution (ml)</u>	<u>Result (µg/cm²/week)</u>	<u>Requirement (µg/cm²/week)</u>
(1)	1	4.7	4.7	<0.05	0.5
	2	4.7	4.7	<0.05	0.5
	3	4.7	4.7	<0.05	0.5
(2)	1	4.7	4.7	<0.05	0.5
	2	4.7	4.7	<0.05	0.5
	3	4.7	4.7	<0.05	0.5
(3)	1	3.0	3.0	<0.05	0.5
	2	3.0	3.0	<0.05	0.5
	3	3.0	3.0	<0.05	0.5
(4)	1	2.5	2.5	<0.05	0.5
	2	2.5	2.5	<0.05	0.5
	3	2.5	2.5	<0.05	0.5

Remark : Detection limit = 0.05 µg/cm²/week

Remark: Per Applicant's Information ,Zipper Puller And Zipper Slider And Zipper Head Of Sample K Are Same Material With Same Production Process ,And So Tested As One Sample.

Per Applicant's Information ,Zipper Puller And Zipper Slider And Zipper Head Of Sample L Are Same Material With Same Production Process ,And So Tested As One Sample.

Test Report

Number: GZHT90525435

Tests Conducted (As Requested By The Applicant)

2 Dimensional Change Due To Cleaning (Washing) (ISO 13688:2013, 5.3 & ISO 6330:2012 & ISO 5077:2007)

	(C)	Requirement	Pass / Fail
<u>After Five Washing</u>			
Length	-0.6%	*	Pass
Width	-0.3%		Pass
<u>After Five Washing</u>			
(M)			
Length	-0.3%	*	Pass
Width	-0.6%		Pass

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

* = The Dimensional Change Of Knitted Material Shall Not Exceed $\pm 5\%$ In Both Length And Width.

3 Nickel Release For Direct Prolonged Skin Contact Products:
With reference to EN1811: 2011

Tested Component	Trial	Sample Area (cm ²)	Volume Of Test Solution (ml)	Result ($\mu\text{g}/\text{cm}^2/\text{week}$)	Requirement ($\mu\text{g}/\text{cm}^2/\text{week}$)
(3)	1	3.0	3.0	<0.05	0.5
	2	3.0	3.0	<0.05	0.5
	3	3.0	3.0	<0.05	0.5
(4)	1	2.5	2.5	<0.05	0.5
	2	2.5	2.5	<0.05	0.5
	3	2.5	2.5	<0.05	0.5

Remark : Detection limit = 0.05 $\mu\text{g}/\text{cm}^2/\text{week}$

Test Report

Number: GZHT90525435

Tests Conducted (As Requested By The Applicant)

1 Colour Performance (EN ISO 20471:2013, 5.1 & 5.2 & 7.5.1 & CIE 15:2004)

Colour	Pre-Condition	Chromaticity Coordinates		Luminance Factor β_{min}	Requirement	Pass / Fail
		x	y			
Fluorescent Yellow	As Received	0.365	0.542	0.95	*	Fail
	After Xenon Test (#)	0.365	0.537	0.90	*	Fail
	After 5 cleaning cycles	0.364	0.542	0.95	*	Fail

Colour	Pre-Condition	Chromaticity Coordinates		Luminance Factor β_{min}	Requirement	Pass / Fail
		x	y			
Fluorescent Orange-red	As Received	0.588	0.358	0.44	*	Pass
	After Xenon Test (#)	0.555	0.366	0.46	*	Pass
	After 5 cleaning cycles	0.589	0.358	0.45	*	Pass

Remark: * =

Colour	Chromaticity Coordinates		Minimum Luminance Factor B_{Min}
	X	Y	
Fluorescent Yellow	0.387	0.610	0.70
	0.356	0.494	
	0.398	0.452	
	0.460	0.540	
Fluorescent Orange-Red	0.610	0.390	0.40
	0.535	0.375	
	0.570	0.340	
	0.655	0.345	

= Xenon Test Based On ISO 105-B02: 1994, Method 3. Exposure Continues Until The Blue Scale Control Standard Number 5 Has Changed To Grade 3 Of The Grey Scale For Red And Orange-Red Materials And For Yellow Materials The Blue Scale Control Standard Number 4 Has Changed To Grade 4 Of The Grey Scale According To ISO 105-A02.

NOTE:

Four Measurements Are Carried Out In Four Perpendicular Directions.

For Orientation-Sensitive Material, Measuring The Two Rotation Angles 0° And 90°, Report The Mean Value.

Intertek

Test Report



Number: GZHT90525435

Garment : Fabric Garment
Construction : 1 PC
Classifications Claimed : Class 2
Background Fabric : 100% Polyester 170T/PVC coating
Retroreflective Material : Silver 5 cm wide, polyester backed
Lining : 180T polyester taffeta
Collar : Same as background fabric
Ribbing/Cuffs : Same as background fabric
Binding : N/A
Non-Fluorescent Material : PU leather buttons
Zipper : #5 vislon zipper, open end
Vendor : Fuzhou Jinlite Garments Co., Ltd
Manufacturer : Fuzhou Jinlite Garments Co., Ltd
Country Of Original : China
Date Received/Date Test Started : May 27, 2015
Date Final Information Confirmed: Jun 11, 2015

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager



Page 2 Of 7

PL / mikaliang

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广州经济技术开发区科学城彩频路7号之二E栋
Tel: +86 20 8213 9001 Fax: +86 20 8208 9909 Postcode: 510663

Test Report

Number: GZHT90525435

Applicant: FUZHOU JINLITE GARMENTS CO LTD
3RD FLOOR GJ-1 E&D GROUP INDUSTRIAL ZONE
QIAN ROAD FUWAN INDUSTRIAL GARDEN
CANGSHAN FUZHOU FUJIAN
CHINA
Attn: IVY ZHUANG

Date: Jun 19, 2015

Sample Description:

Four (14) groups of submitted sample said to be:

- (A) One (1) piece of Florescent Yellow color 100% polyester 170T with PVC coating background/collar material
- (B) One (1) piece of Florescent Orange-Red color 100% polyester 170T with PVC coating background/collar material
- (C) One (1) piece of Florescent Yellow 180T polyester taffeta lining material
- (D) One (1) piece of Black PU material
- (E) Six (6) pieces of Florescent Yellow #5 vislon zipper fabric
- (F) Six (6) pieces of Florescent Orange-Red #5 vislon zipper fabric
- (G) Three (3) pieces of Florescent Yellow polyester string
- (H) Three (3) pieces of Florescent Orange-Red polyester string
- (I) Several of black Copper button material
- (J) One (1) piece of Sliver 5 cm wide and polyester backed Retroreflective band
- (K) Six (6) pieces of Florescent Yellow zipper puller
- (L) Six (6) pieces of Florescent Orange-Red zipper puller
- (M) One (1) piece of Florescent Orange-Red 180T polyester taffeta lining material
- (N) Several of Black/Golden Copper button material.

Standard : EN ISO 20471:2013
ISO 13688:2013

Size (s) Range : S-3XL

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager



Intertek

Test Report

Tests Conducted (As Requested By The Applicant)



Number: GZHT90534179

GZHT90534179



GZHT90534179



IP / tiffanydeng

Page 4 Of 4

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Test Report

Number: GZHT90534179

Tests Conducted (As Requested By The Applicant)

2 Colour Fastness To Perspiration (EN ISO 20471:2013, 5.3.2 & BS EN ISO 105 E04:2013)

	(B)		Requirement	Pass / Fail
	Acid	Alkaline		
Colour Change	Grade 4.5	Grade 4.5	Min. Grade 4	Pass
Colour Staining			Min. Grade 4	Pass
-Acetate	Grade 4.5	Grade 4.5		
-Cotton	Grade 4.5	Grade 4.5		
-Nylon	Grade 4.5	Grade 4.5		
-Polyester	Grade 4.5	Grade 4.5		
-Acrylic	Grade 4.5	Grade 4.5		
-Wool	Grade 4.5	Grade 4.5		

	(C)		Requirement	Pass / Fail
	Acid	Alkaline		
Colour Change	Grade 4.5	Grade 4.5	Min. Grade 4	Pass
Colour Staining			Min. Grade 4	Pass
-Acetate	Grade 4.5	Grade 4.5		
-Cotton	Grade 4.5	Grade 4.5		
-Nylon	Grade 4.5	Grade 4.5		
-Polyester	Grade 4.5	Grade 4.5		
-Acrylic	Grade 4.5	Grade 4.5		
-Wool	Grade 4.5	Grade 4.5		

3 Colour Fastness to Rubbing (EN ISO 20471:2013, 5.3.1 & ISO 105 X12:2002, dry test only)

Dry	(B) Grade 4.5	(C) Grade 4.5	Requirement Min. Grade 4	Pass / Fail Pass
-----	------------------	------------------	-----------------------------	---------------------

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Test Report

Number: GZHT90534179

Tests Conducted (As Requested By The Applicant)

1 Colour Performance (EN ISO 20471:2013, 5.1 & 5.2 & 7.5.1 & CIE 15:2004)

Colour	Pre-Condition	Chromaticity Coordinates		Luminance Factor β_{min}	Requirement	Pass / Fail
		X	Y			
Fluorescent	As Received	0.373	0.540	0.87	*	Pass
	After Xenon Test (#)	0.370	0.538	0.83	*	Pass
	After 5 cleaning cycles	0.373	0.542	0.88	*	Pass

Remark: * =

Colour	Chromaticity Coordinates		Minimum Luminance Factor B_{Min}
	X	Y	
Fluorescent Yellow	0.387	0.610	0.70
	0.356	0.494	
	0.398	0.452	
	0.460	0.540	
Fluorescent Orange-Red	0.610	0.390	0.40
	0.535	0.375	
	0.570	0.340	
	0.655	0.345	
Fluorescent Red	0.655	0.345	0.25
	0.570	0.340	
	0.595	0.315	
	0.690	0.310	

= Xenon Test Based On ISO 105-B02: 1994, Method 3. Exposure Continues Until The Blue Scale Control Standard Number 5 Has Changed To Grade 3 Of The Grey Scale For Red And Orange-Red Materials And For Yellow Materials The Blue Scale Control Standard Number 4 Has Changed To Grade 4 Of The Grey Scale According To ISO 105-A02.

NOTE:

Four Measurements Are Carried Out In Four Perpendicular Directions.

For Orientation-Sensitive Material, Measuring The Two Rotation Angles 0° And 90°, Report The Mean Value.

This test was conducted at 3F, Hengyun Building, No.235 Kaifa Avenue, GETDD

Test Report

Number: GZHT90534179

Applicant: FUZHOU JINLITE GARMENTS CO LTD
3RD FLOOR GJ-1 E&D GROUP INDUSTRIAL ZONE
QIAN ROAD FUWAN INDUSTRIAL GARDEN
CANGSHAN FUZHOU FUJIAN
CHINA
Attn: IVY ZHUANG

Date: Jul 22, 2015

Sample Description:

- Three (3) Groups Of Submitted Sample Said To Be:
- (A) One (1) Piece Of Florescent Yellow Color 100% Polyester 170T With PVC Coating Background/Collar Material
- (B) Yellow Zipper With Textile
- (C) Orange Zipper With Textile.

Standard	:	EN ISO 20471:2013
Size (s) Range	:	S-3XL
Garment	:	Fabric Garment
Construction	:	1 PC
Classifications Claimed	:	Class 2
Background Fabric	:	100% Polyester 170T/PVC coating
Retroreflective Material	:	Silver 5 cm wide, polyester backed
Lining	:	180T polyester taffeta
Collar	:	Same as background fabric
Ribbing/Cuffs	:	Same as background fabric
Binding	:	N/A
Non-Fluorescent Material	:	PU leather buttons
Zipper	:	#5 vislon zipper, open end
Vendor	:	Fuzhou Jinlite Garments Co., Ltd
Manufacturer	:	Fuzhou Jinlite Garments Co., Ltd
Country Of Original	:	China
Date Received/Date Test Started:	:	Jul. 11, 2015
Date Final Information Confirmed:	:	Jul. 27, 2015

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gz@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager



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Test Report
Tests Conducted (As Requested By The Applicant)



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CNAS L0220

Number: GZHT90547869

GZHT90547869





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CNAS L0220

Test Report

Tests Conducted (As Requested By The Applicant)

Number: GZHT90547869

2 Water Vapour Resistance (R_{et}) (EN 343:2003+A1:2007, 5.2 & EN 31092:1994)

Conditioning Atmosphere:

Air Temperature: $35 \pm 0.1^\circ\text{C}$

Relative Humidity: $40 \pm 3\%$

Specimen Conditioning Duration: At Least 12 Hours (Specimen ≤ 5 mm Thick)

Test Condition

Air Temperature: $35 \pm 0.1^\circ\text{C}$

Relative Humidity: $40 \pm 3\%$

Air Speed: $1.0 \pm 0.1\text{m/S}$ (Horizontal Air Flow Over The Surface Of The Fabric)

Temperature Of Hot Plate: $35 \pm 0.1^\circ\text{C}$

Orientation Of Test Specimen:

Specimen Lied Flat Across The Measurement Until With The Side Normally Facing The Human Body Towards The Measuring Unit.

Test Results

(A)	
Specimen 1	700.261 ($\text{m}^2 \cdot \text{Pa}$)/W
Specimen 2	700.887 ($\text{m}^2 \cdot \text{Pa}$)/W
Specimen 3	701.468 ($\text{m}^2 \cdot \text{Pa}$)/W
Arithmetic Mean	700.872 ($\text{m}^2 \cdot \text{Pa}$)/W
Class(*)	1

Remark: * =

Water Vapour Resistance R_{et} ($\text{m}^2 \cdot \text{Pa}$)/ W	Class		
	Class 1 ^a R_{et} Above 40	Class 2 $20 < R_{et} \leq 40$	Class 3 $R_{et} \leq 20$
^a Warning: Class 1 Has A Restricted Wearing Time, See EN 343, Annex A.			

3 Seam Strength (EN 343:2003+A1:2007, 5.6 & ISO 13935-2:2014)

Arithmetic Mean	(A) 290 N	Requirement Min. 225 N (*)	Pass / Fail Pass
-----------------	--------------	-------------------------------	---------------------

Remark: * = For Material With An Elongation Of More Than 50% This Requirement Is Not Applicable.

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Test Report

Number: GZHT90547869

Tests Conducted (As Requested By The Applicant)

Resistance To Water Penetration (EN 343:2003+A1:2007, 5.1 & BS EN 20811-1992(1996), The Rate Of Increase Of Water Pressure: (980±50) Pa/min) (Cont)

Pretreatment	Result (#)	Requirement (#1)			Class
		Class 1	Class 2	Class 3	
As Received	Specimen 1: > 8 kPa Specimen 2: > 8 kPa Specimen 3: > 8 kPa Specimen 4: > 8 kPa Specimen 5: > 8 kPa The Lowest(#2): > 8 kPa	≥ 8 kPa	NA	NA	1
The Seams As Received	Specimen 1: > 13 kPa Specimen 2: > 13 kPa Specimen 3: > 13 kPa Specimen 4: > 13 kPa Specimen 5: > 13 kPa The Lowest(#2): > 13 kPa	≥ 8 kPa	≥ 8 kPa	≥ 13 kPa	3
After Washing.	Specimen 1: > 13 kPa Specimen 2: > 13 kPa Specimen 3: > 13 kPa Specimen 4: > 13 kPa Specimen 5: > 13 kPa The Lowest(#2): > 13 kPa	NA	≥ 8 kPa	≥ 13 kPa	3
After Abrasion	Specimen 1: > 13 kPa Specimen 2: > 13 kPa Specimen 3: > 13 kPa Specimen 4: > 13 kPa Specimen 5: > 13 kPa The Lowest(#2): > 13 kPa	NA	≥ 8 kPa	≥ 13 kPa	3
After Repeated Flexing	Specimen 1: 7.3 kPa Specimen 2: 6.8 kPa Specimen 3: 2.8 kPa Specimen 4: 2.2 kPa The Lowest(#2):: 2.2 kPa	NA	≥ 8 kPa	≥ 13 kPa	-
After Fuel And Oil	Specimen 1: > 13 kPa Specimen 2: > 13 kPa Specimen 3: > 13 kPa Specimen 4: > 13 kPa Specimen 5: > 13 kPa The Lowest(#2): > 13 kPa	NA	≥ 8 kPa	≥ 13 kPa	3
Overall Class for Resistance To Water Penetration					1

- Remark:
- # = The Lowest Single Value In Pa On Penetration Of The First Water Drop Shall Be Noted.
 - #1 = No Test Required Because The Worst Case Situation For Class 2 And Class 3 Is After Pretreatment
 - #2 = If A Sample Gets Different Classes Of Classification In The Different Tests For Marking, The Lowest Class Shall Be Indicated.
 - NA = No Test Required

Test Report

Tests Conducted (As Requested By The Applicant)

- 1 Resistance To Water Penetration (EN 343:2003+A1:2007, 5.1 & BS EN 20811-1992(1996), The Rate Of Increase Of Water Pressure: (980±50) Pa/min)

Pretreatment List:

(A)

Washing	ISO 6330:2012, Washing Machine: Type A, Reagent: Reference detergent 6, Washing Procedure: 4N, Line Dry, Number Of Cycles: Five.
Abrasion	For Outside Uncoated Shell Material EN 530:1994, Method 2, And With The Following Specifications: - Abradant And Glass Cloth With Abrasive Grain In Accordance With EN 388; - Pressure To The Specimen: (9±0.2) kPa; - Number Of Cycles: 1 000; Remove Debris After 500 Cycles. For Outside Coated Shell Material EN ISO 12947-1 And -2, With The Following Specifications And Modifications: - Abradant: Standard Woolen Cloth In Accordance With EN ISO 12947-1; - The Abradant Is Mounted In The Upper Sample Holder; The Specimen To Be Tested Is Mounted In The Lower(Larger) Sample Holder; - Pressure To The Specimen: (9±0.2) kPa; Number Of Cycles: 25 000; Remove Debris After 10 000 Cycles.
Repeated Flexing	EN ISO 7854:1997, Method C, And With The Following Specifications: - 2 Specimens Are Tested In Longitudinal Direction; - 2 Specimens In Cross Direction; - Number Of Cycles: 9 000
Influence Of Fuel And Oil	Test Agents: a) Liquid A: Isooctane (2,2,4-Trimethylpentane), Percentage By Volume 100%; In Accordance With ISO 1817. b) Liquid F: Test Oil: Straight-Chain Paraffin (C ₁₂ To C ₁₈), 80% By Volume And 1-Methylnaphthalene, And 20% By Volume In Accordance With ISO 1817. - Quantity Of Test Agents: (50±5) ml - Test Temperature: (20±2) °C - Duration Of Exposure: 60 min

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Test Report



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Number: GZHT90547869

Standard : EN ISO 20471:2013
ISO 13688:2013
Size (s) Range : S-3XL
Garment : Fabric Garment
Construction : 1 PC
Classifications Claimed : Class 2
Background Fabric : 100% Polyester 170T/PVC coating
Retroreflective Material : Silver 5 cm wide, polyester backed
Lining : 180T polyester taffeta
Collar : Same as background fabric
Ribbing/Cuffs : Same as background fabric
Binding : N/A
Non-Fluorescent Material : PU leather buttons
Zipper : #5 vislon zipper, open end
Vendor : Fuzhou Jinlite Garments Co., Ltd
Manufacturer : Fuzhou Jinlite Garments Co., Ltd
Country Of Original : China
Date Received/Date Test Started : May 27, 2015
Date Final Information Confirmed: Aug. 31, 2015

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager

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Page 2 Of 6

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Test Report



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Number: GZHT90547869

Date: Sep 07, 2015

Applicant: FUZHOU JINLITE GARMENTS CO LTD
3RD FLOOR GJ-1 E&D GROUP INDUSTRIAL ZONE
QIAN ROAD FUWAN INDUSTRIAL GARDEN
CANGSHAN FUZHOU FUJIAN
CHINA
Attn: IVY ZHUANG

Sample Description:

- Fourteen (14) Groups Of Submitted Sample Said To Be:
- (A) One (1) Piece Of Florescent Yellow Color 100% Polyester 170T With PVC Coating Background/Collar Material
- (B) One (1) Piece Of Florescent Orange-Red Color 100% Polyester 170T With PVC Coating Background/Collar Material
- (C) One (1) Piece Of Florescent Yellow 180T Polyester Taffeta Lining Material
- (D) One (1) Piece Of Black PU Material
- (E) Six (6) Pieces Of Florescent Yellow #5 Vislon Zipper Fabric
- (F) Six (6) Pieces Of Florescent Orange-Red #5 Vislon Zipper Fabric
- (G) Three (3) Pieces Of Florescent Yellow Polyester String
- (H) Three (3) Pieces Of Florescent Orange-Red Polyester String
- (I) Several Of Black Copper Button Material
- (J) One (1) Piece Of Sliver 5 Cm Wide And Polyester Backed Retroreflective Band
- (K) Six (6) Pieces Of Florescent Yellow Zipper Puller
- (L) Six (6) Pieces Of Florescent Orange-Red Zipper Puller
- (M) One (1) Piece Of Florescent Orange-Red 180T Polyester Taffeta Lining Material
- (N) Several Of Black/Golden Copper Button Material.

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager



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Test Report
Tests Conducted (As Requested By The Applicant)



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Number: GZHT90547971

GZHT90547971



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CNAS L0220

Number: GZHT90547971

Test Report

Tests Conducted (As Requested By The Applicant)

- 1 Tensile Strength Of The Outer Shell Material (EN 343:2003+A1:2007, 5.3 & ISO 1421:1998 / EN ISO 13934-1:2013, Speed Of The Moving Jaw: (100±10) mm/min)

Specimen	Machine Direction	Cross Direction	Requirement	Pass / Fail
1	954 N	1,145 N	Min. 450 N	Pass
2	965 N	1,051 N	Min. 450 N	Pass
3	1,044 N	1,125 N	Min. 450 N	Pass
4	1,226 N	1,032 N	Min. 450 N	Pass
5	1,187 N	1,125 N	Min. 450 N	Pass
Arithmetic Mean	1,075 N	1,096 N	Min. 450 N	Pass

- 2 Tear Resistance Of The Outer Shell Material (EN 343:2003+A1:2007, 5.4 & ISO 4674-1:2003, method B)

Specimen	Machine Direction	Cross Direction	Requirement	Pass / Fail
1	58 N	61 N	Min. 25 N	Pass
2	58 N	58 N	Min. 25 N	Pass
3	58 N	62 N	Min. 25 N	Pass
4	56 N	64 N	Min. 25 N	Pass
5	57 N	63 N	Min. 25 N	Pass
Arithmetic Mean	57 N	62 N	Min. 25 N	Pass

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Test Report



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Number: GZHT90547971

Date: Sep 07, 2015

Applicant: FUZHOU JINLITE GARMENTS CO LTD
3RD FLOOR GJ-1 E&D GROUP INDUSTRIAL ZONE
QIAN ROAD FUWAN INDUSTRIAL GARDEN
CANGSHAN FUZHOU FUJIAN
CHINA
Attn: IVY ZHUANG

Sample Description:

One (1) piece of submitted sample said to be Fluorescent Yellow 100% polyester background material.
Standard : EN ISO 20471:2013
Vendor : FuZhou JinLiTe Garments CO,LTD
Manufacturer : FuZhou JinLiTe Garments CO,LTD
Date Received/Date Test Started Sep. 04, 2015
Date Final Information Confirmed: --

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager



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Tel: +86 20 8213 9001 Fax: +86 20 8208 9909 Postcode: 510663

Intertek

To : FUZHOU JINLITE GARMENTS CO LTD
Attention : IVY ZHUANG

Date : Sep 07, 2015

Re : Report Revision Notification

Labtest Report Number GZHT90520339 date JUN 12, 2015

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Labtest Report, Number GZHT90520339(S1) , issued on Sep 07, 2015 .

Thank you for your attention

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager

Intertek Testing Services Shenzhen Limited, Guangzhou Branch
Block E, No.7-2, Caipin Road, Guangzhou Science City, Getdd Guangzhou.
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Test Report

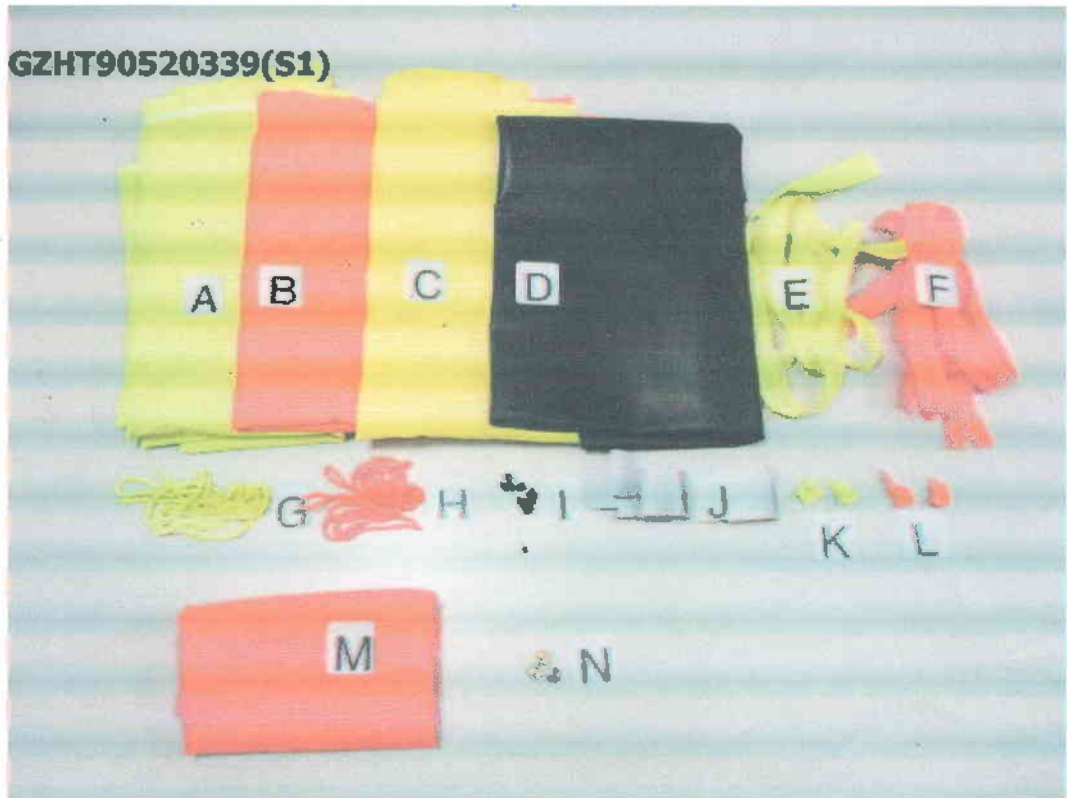
Tests Conducted (As Requested By The Applicant)



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Number: GZHT90520339(S1)

GZHT90520339(S1)



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Test Report

Number: GZHT90520339(S1)

Tests Conducted (As Requested By The Applicant)

Detection Of Amines Derived From Azocolourants and Azodyes(CONT)

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

Remark: ND = Not detected
Detection limit = 5 mg/kg
Limit = 30 mg/kg

Tested Components: Please See Component List In The Last Section of This Report

Conclusion:

<u>Standard</u>	<u>Result</u>
Regulation (EC) No.1907/2006 Annex XII Item 43 and its Amendments No. 552/2009 and 126/2013 (Formerly Known As Directive 2002/61/EC)	Pass

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Number: GZHT90520339(S1)

Test Report

Tests Conducted (As Requested By The Applicant)

9 Detection Of Amines Derived From Azocolourants and Azodyes

As per test method: Textile Method (EN 14362-1: 2012);

Amines content was determined by Gas Chromatography-Mass Spectrometry (GC-MS) and High Performance Liquid Chromatography (HPLC)

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

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Tests Conducted (As Requested By The Applicant)

7 Tensile Strength Of Coated Fabrics And Laminates (EN ISO 20471:2013, 5.5.3 & ISO 1421:1998, method 1)

(A)	Machine Direction		Cross Direction		Requirement	Pass / Fail
	Tensile Force	Elongation	Tensile Force	Elongation		
Specimen 1	397 N	12 %	324 N	19 %	Min. 100 N (*)	Pass
Specimen 2	378 N	15 %	286 N	18 %	Min. 100 N (*)	Pass
Specimen 3	365 N	13 %	264 N	22 %	Min. 100 N (*)	Pass
Specimen 4	370 N	14 %	306 N	18 %	Min. 100 N (*)	Pass
Specimen 5	404 N	13 %	327 N	16 %	Min. 100 N (*)	Pass
Mean	383 N	13 %	301 N	19 %	Min. 100 N (*)	Pass

Remark: * = For Material With An Elongation Of More Than 50% This Requirement Is Not Applicable.

8 Tear Resistance Of Coated Fabrics And Laminates (EN ISO 20471:2013, 5.5.3 & ISO 4674-1:2003, method A)

(A)	Machine Direction	Cross Direction	Requirement	Pass / Fail
Mean:	22 N	26 N	Min. 20 N(*)	Pass

Remark: * = For Materials With An Elongation Of More Than 50%, This Requirement Is Not Applicable.



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- 6 pH Value (Material Of Protective Clothing) (ISO 13688:2013, 4.2 & ISO 3071:2005(Textile) / ISO 4045:2008(Leather))

With Reference To ISO 4045:2008 ISO 3071:2005, pH Value Was Determined By pH Meter.

(A) Result 7.2	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass
(B) Result 7.2	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass
(C) Result 6.8	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass
(D) Result 8.5	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass
(E) Result 7.7	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass
(F) Result 7.3	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass
(G) Result 7.0	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass
(H) Result 7.1	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass
(J) Result 6.9	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass
(M) Result 7.4	<u>Requirement</u> 3.5~9.5	<u>Pass / Fail</u> Pass



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4 Dimensional Change Due To Cleaning (ISO 13688:2013, 5.3 & ISO 6330:2012)

Wash Condition:
Machine: Type A
Reagent: Reference Detergent 6
Washing Procedure: 4N, Line Dry
Number Of Cycles: Five

(A)	After Washing	Requirement	Pass / Fail
Length	-0.3%	*	Pass
Width	-0.6%	*	Pass
(B)	After Washing	Requirement	Pass / Fail
Length	-0.6%	*	Pass
Width	-0.6%	*	Pass

Remark: * = The Dimensional Change Of Woven Material Shall Not Exceed $\pm 3\%$ In Both Length And Width.

5 Water Vapour Resistance (EN ISO 20471:2013, 5.6.2 & EN 31092:1994)

Specimen	Water Vapour Resistance (R_{et})
1	700.261 ($m^2 \cdot Pa$)/W
2	700.887 ($m^2 \cdot Pa$)/W
3	701.468 ($m^2 \cdot Pa$)/W
Class (*):	1

Remark: * =

Water Vapour Resistance R_{et} Unit: ($m^2 \cdot Pa$)/ W	Class 1 ^a R_{et} Above 40	Class 2 $20 < R_{et} \leq 40$	Class 3 $R_{et} \leq 20$
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NOTE

- Classify in accordance with EN 343.
- a Warning: Class 1 Has A Restricted Wearing Time, See EN 343, Annex A.



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Tests Conducted (As Requested By The Applicant)

Colour Fastness To Laundry (EN ISO 20471:2013, 5.3.3 & ISO 105-C06:2010, Test Number A2S (Domestic))(CONT)

	Background Material (G)	Requirement	Pass / Fail
Colour Change	4.5	Min. 4	Pass
Colour Staining	4.5	Min. 4	Pass
-Acetate	4.5		
-Cotton	4.5		
-Nylon	4.5		
-Polyester	4.5		
-Acrylic	4.5		
-Wool	4.5		

	Background Material (H)	Requirement	Pass / Fail
Colour Change	4.5	Min. 4	Pass
Colour Staining	4.5	Min. 4	Pass
-Acetate	4.5		
-Cotton	4.5		
-Nylon	4.5		
-Polyester	4.5		
-Acrylic	4.5		
-Wool	4.5		

	Background Material (M)	Requirement	Pass / Fail
Colour Change	4.5	Min. 4	Pass
Colour Staining	4.5	Min. 4	Pass
-Acetate	4.5		
-Cotton	4.5		
-Nylon	4.5		
-Polyester	4.5		
-Acrylic	4.5		
-Wool	4.5		



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3 Colour Fastness To Laundry (EN ISO 20471:2013, 5.3.3 & ISO 105-C06:2010, Test Number A2S (Domestic))

	Background Material (A)	Requirement	Pass / Fail
Colour Change	4.5	Min. 4	Pass
Colour Staining	4.5	Min. 4	Pass
-Acetate	4.5		
-Cotton	4.5		
-Nylon	4.5		
-Polyester	4.5		
-Acrylic	4.5		
-Wool	4.5		

	Background Material (B)	Requirement	Pass / Fail
Colour Change	4.5	Min. 4	Pass
Colour Staining	4.5	Min. 4	Pass
-Acetate	4.5		
-Cotton	4.5		
-Nylon	4.5		
-Polyester	4.5		
-Acrylic	4.5		
-Wool	4.5		

	Background Material (C)	Requirement	Pass / Fail
Colour Change	4.5	Min. 4	Pass
Colour Staining	4.5	Min. 4	Pass
-Acetate	4.5		
-Cotton	4.5		
-Nylon	4.5		
-Polyester	4.5		
-Acrylic	4.5		
-Wool	4.5		



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Tests Conducted (As Requested By The Applicant)

Number: GZHT90520339(S1)

Colour Fastness To Perspiration (EN ISO 20471:2013, 5.3.2 & BS EN ISO 105 E04:2013)(CONT)

	(H)				
	<u>Acid</u>		<u>Alkaline</u>	<u>Requirement</u>	
				<u>Pass / Fail</u>	
Colour Change	Grade 4.5		Grade 4.5	Min. Grade 4	Pass
Colour Staining				Min. Grade 4	Pass
-Acetate	Grade 4.5		Grade 4.5		
-Cotton	Grade 4.5		Grade 4.5		
-Nylon	Grade 4.5		Grade 4.5		
-Polyester	Grade 4.5		Grade 4.5		
-Acrylic	Grade 4.5		Grade 4.5		
-Wool	Grade 4.5		Grade 4.5		

	(M)				
	<u>Acid</u>		<u>Alkaline</u>	<u>Requirement</u>	
				<u>Pass / Fail</u>	
Colour Change	Grade 4.5		Grade 4.5	Min. Grade 4	Pass
Colour Staining				Min. Grade 4	Pass
-Acetate	Grade 4.5		Grade 4.5		
-Cotton	Grade 4.5		Grade 4.5		
-Nylon	Grade 4.5		Grade 4.5		
-Polyester	Grade 4.5		Grade 4.5		
-Acrylic	Grade 4.5		Grade 4.5		
-Wool	Grade 4.5		Grade 4.5		



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Tests Conducted (As Requested By The Applicant)

Number: GZHT90520339(S1)

Colour Fastness To Perspiration (EN ISO 20471:2013, 5.3.2 & BS EN ISO 105 E04:2013)(CONT)

	(B)			
	<u>Acid</u>	<u>Alkaline</u>	<u>Requirement</u>	<u>Pass / Fail</u>
Colour Change	Grade 4.5	Grade 4.5	Min. Grade 4	Pass
Colour Staining			Min. Grade 4	Pass
-Acetate	Grade 4.5	Grade 4.5		
-Cotton	Grade 4.5	Grade 4.5		
-Nylon	Grade 4.5	Grade 4.5		
-Polyester	Grade 4.5	Grade 4.5		
-Acrylic	Grade 4.5	Grade 4.5		
-Wool	Grade 4.5	Grade 4.5		

	(C)			
	<u>Acid</u>	<u>Alkaline</u>	<u>Requirement</u>	<u>Pass / Fail</u>
Colour Change	Grade 4.5	Grade 4.5	Min. Grade 4	Pass
Colour Staining			Min. Grade 4	Pass
-Acetate	Grade 4.5	Grade 4.5		
-Cotton	Grade 4.5	Grade 4.5		
-Nylon	Grade 4.5	Grade 4.5		
-Polyester	Grade 4.5	Grade 4.5		
-Acrylic	Grade 4.5	Grade 4.5		
-Wool	Grade 4.5	Grade 4.5		

	(G)			
	<u>Acid</u>	<u>Alkaline</u>	<u>Requirement</u>	<u>Pass / Fail</u>
Colour Change	Grade 4.5	Grade 4.5	Min. Grade 4	Pass
Colour Staining			Min. Grade 4	Pass
-Acetate	Grade 4.5	Grade 4.5		
-Cotton	Grade 4.5	Grade 4.5		
-Nylon	Grade 4.5	Grade 4.5		
-Polyester	Grade 4.5	Grade 4.5		
-Acrylic	Grade 4.5	Grade 4.5		
-Wool	Grade 4.5	Grade 4.5		

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Tests Conducted (As Requested By The Applicant)

1 Colour Fastness to Rubbing (EN ISO 20471:2013, 5.3.1 & ISO 105 X12:2002, dry test only)

	(A)	Requirement	Pass / Fail
Dry	Grade 4.5	Min. Grade 4	Pass
	(B)	Requirement	Pass / Fail
Dry	Grade 4.5	Min. Grade 4	Pass
	(C)	Requirement	Pass / Fail
Dry	Grade 4.5	Min. Grade 4	Pass
	(G)	Requirement	Pass / Fail
Dry	Grade 4.5	Min. Grade 4	Pass
	(H)	Requirement	Pass / Fail
Dry	Grade 4.5	Min. Grade 4	Pass
	(M)	Requirement	Pass / Fail
Dry	Grade 4.5	Min. Grade 4	Pass

2 Colour Fastness To Perspiration (EN ISO 20471:2013, 5.3.2 & BS EN ISO 105 E04:2013)

	(A)		Requirement	Pass / Fail
	Acid	Alkaline		
Colour Change	Grade 4.5	Grade 4.5	Min. Grade 4	Pass
Colour Staining			Min. Grade 4	Pass
-Acetate	Grade 4.5	Grade 4.5		
-Cotton	Grade 4.5	Grade 4.5		
-Nylon	Grade 4.5	Grade 4.5		
-Polyester	Grade 4.5	Grade 4.5		
-Acrylic	Grade 4.5	Grade 4.5		
-Wool	Grade 4.5	Grade 4.5		



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Number: GZHT90520339(S1)

Size (s) Range	: S-3XL
Garment	: Fabric Garment
Construction	: 1 PC
Classifications Claimed	: Class 2
Background Fabric	: 100% Polyester 170T/PVC coating
Retroreflective Material	: Silver 5 cm wide, polyester backed
Lining	: 180T polyester taffeta
Collar	: Same as background fabric
Ribbing/Cuffs	: Same as background fabric
Binding	: N/A
Non-Fluorescent Material	: PU leather buttons
Zipper	: #5 vislon zipper, open end
Vendor	: Fuzhou Jinlite Garments Co., Ltd
Manufacturer	: Fuzhou Jinlite Garments Co., Ltd
Country Of Original	: China
Date Received/Date Test Started	May 27, 2015
Date Final Information Confirmed:	Aug. 31, 2015

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager



Intertek

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Applicant: FUZHOU JINLITE GARMENTS CO LTD
3RD FLOOR GJ-1 E&D GROUP INDUSTRIAL ZONE
QIAN ROAD FUWAN INDUSTRIAL GARDEN
CANGSHAN FUZHOU FUJIAN
CHINA
Attn: IVY ZHUANG

Date: Sep 07, 2015
THIS IS TO SUPERSEDE REPORT
NO. GZHT90520339 DATED JUN
12, 2015

Sample Description:

Fourteen (14) groups of submitted sample said to be:

- (A) One (1) piece of Florescent Yellow color 100% polyester 170T with PVC coating background/collar material
- (B) One (1) piece of Florescent Orange-Red color 100% polyester 170T with PVC coating background/collar material
- (C) One (1) piece of Florescent Yellow 180T polyester taffeta lining material
- (D) One (1) piece of Black PU material
- (E) Six (6) pieces of Florescent Yellow #5 vislon zipper fabric
- (F) Six (6) pieces of Florescent Orange-Red #5 vislon zipper fabric
- (G) Three (3) pieces of Florescent Yellow polyester string
- (H) Three (3) pieces of Florescent Orange-Red polyester string
- (I) Several of black Copper button material
- (J) One (1) piece of Sliver 5 cm wide and polyester backed Retroreflective band
- (K) Six (6) pieces of Florescent Yellow zipper puller
- (L) Six (6) pieces of Florescent Orange-Red zipper puller
- (M) One (1) piece of Florescent Orange-Red 180T polyester taffeta lining material
- (N) Several of Black/Golden Copper button material.

Standard : EN ISO 20471:2013
ISO 13688:2013

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Huang Ning, Andy
Assistant General Manager



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AL / mikaliang

Intertek Testing Services Shenzhen Limited, Guangzhou Branch
Block E, No.7-2, Caipin Road, Guangzhou Science City, Getdd Guangzhou.
深圳天祥质量技术服务有限公司广州分公司
广州经济技术开发区科学城彩频路7号之二E栋
Tel: +86 20 8213 9001 Fax: +86 20 8208 9909 Postcode: 510663

FUZHOU JINLITE GARMENTS CO., LTD

4th Floor, Building 07, NO.76 Xiaohou Shan, Yuanfeng Road, Gaoxin Industrial Park,
Nanyu Town, Fuzhou, Fujian, China

EC-DECLARATION OF CONFORMITY

The manufacturer or his authorized representative established in Community:

FUZHOU JINLITE GARMENTS CO., LTD 4th Floor, Building 07,
NO.76 Xiaohou Shan, Yuanfeng Road, Gaoxin Industrial Park, Nanyu Town,
Fuzhou, Fujian, China

Declares that new PPE described hereafter:

Model No. : PR03 Hi Vis parka

In conformity with provisions of Council Directive 89/686/EEC and, where such
is the case, With the national standard transposing harmonized standard No

EN ISO 20471:2013 / EN 343 2003 / A1 2007 / (for the PPE referred to
in Article8(2))

this declaration of conformity is issued under the sole responsibility of the
manufacturer

is identical to the PPE which is subject of EC certificate No. LECFI00364635

issued by :

ITS Testing Services (UK) Limited

Centre Court, Meridian Business Park,
Leicester, LE19 1WD,
United Kingdom

TEL: +44(0)116 263 0330

Done at ITS Testing Services (UK) Limited on 2015.09.15


Signature
