



Test Report

No. 3307800/TX

Date : Jun 12 2009

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WUJIANG YUNSHENG IMPORT & EXPORT CO., LTD
PINGWANG ECONOMIC DEVELOPMENT ZONE
WUJIANG JIANGSU
CHINA

***The test results have been extracted from report number 3287974/TX dated May 19, 2009.**

The following sample was submitted and identified on behalf of the client as:

One sample of woven 100% polyester 300D oxford with PU breathable coating in fluorescence yellow for Typhoon Fabric.

Manufacturer	:	Wujiang Yunsheng Import & Export Co Ltd
Country Of Origin	:	China
Country Of Destination	:	USA
Applicant's Proposed Care Instructions	:	Machine wash cold, gentle cycle, mild detergent, tumble dry low, do not bleach, do not iron, do not dry clean
Sample Receiving Date	:	May 13, 2009
Test Performing Period	:	May 14 – Jun 04, 2009
Test Performed	:	Selected test(s) as requested by applicant.
	:	* * * *
Test Results	:	Please refer to the next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Chan Hing Leung
Senior Technical Development Executive

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Result:

**American National Standard for High-Visibility Safety Apparel and Headwear
ANSI/ISEA 107- 2004**

Background Material

REQUIRED TESTS				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Determination of Color ASTM E1164-02 (Single layer)	7.1.1 9.2	Test specimen must fulfill the colorimetric requirements of Table 2 for background material	<i>As submitted:</i> x= 0.381 y= 0.543	Pass
			%Y= 111	Pass
			<i>After 40x Xenon:</i> x= 0.377 y= 0.536	Pass
			%Y= 105	Pass
Colorfastness Crocking AATCC8-2001	7.2.1	Wet 3.0 Dry 3.0	Wet: 4.5 Dry: 4.5	Pass
Colorfastness Perspiration AATCC 15-2002	7.2.2	Color change 4.0 Staining 3.0	Color change: 4.5 Staining Acetate: 4.5 Cotton: 4.5 Nylon: 4.5 Polyester: 4.5 Acrylic: 4.5 Wool: 4.5	Pass
Dimensional change Domestic AATCC 135-2000 (2)IIA(ii)@80°F	7.3.1	Woven L +/- 4% W +/-2%	1 st Cycle Length = NIL Width = NIL	Pass
			5 th Cycle Length = -0.1% Width = NIL	Pass
Tear Resistance (Woven) ASTM D1424-96	7.4.2	13 N (3 lb) (1.3 kg) Average force machine Average force cross-machine	30.3N 30.2N	Pass
Breathability ASTM E96-00 Procedure BW	7.6	3600g/m ² /24 hr hydrophilic	4727*	Pass

Color, background material

Color	Chromaticity coordinates		Minimum total luminance factor Y(%)
	x	y	
Fluorescent yellow-green	0.387	0.610	76
	0.356	0.494	
	0.398	0.452	
	0.460	0.540	

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TESTED AS CARE LABEL DICTATES				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Colorfastness Domestic/Commercial Laundry AATCC 61-2001-2A 105°F	7.2.3 Table 4	Color change 4.5 Staining 3.0	Color change: 4.5 Staining Acetate: 4.5 Cotton: 4.5 Nylon: 3.5 Polyester: 4.5 Acrylic: 4.5 Wool: 4.5	Pass
Colorfastness Water AATCC 107-2002	7.2.3 Table 4	Color change 3.0 Staining 3.0	Color change: 4.5 Staining Acetate: 4.5 Cotton: 4.5 Nylon: 4.5 Polyester: 4.5 Acrylic: 4.5 Wool: 4.5	Pass
Water Resistance AATCC 35-2000 AATCC 127-2008	7.5	1 gram of water penetration Level 1 Min. 200 cm new and after 5 washings	0.0 g As received: Exceed 2000 cm* After 5 washing: 1041 cm	Pass
Water Repellence AATCC 22-2001	7.5.1	90 new, 70 after 5 washings	As received: 100* After 5 washing: 100	Pass

*** End of Report ***

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