

SHONA SAFETY CO.,LTD.

BLD #A27, NO.12 OF SHILONG AVE, XINTANG, LUNJIAO, SHUNDE, FOSHAN, GUANGDONG,528308, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : One sample of 100% polyester jersey knitted cutting

Sample Color : (A)Hivis Yellow
Composition : (A)100% Polyester
Fabric Width : (A)152cm
Fabric Weight : (A)205 gsm +/-5%
Ref. No. : SS03-Y
End Use : (A)Apparel
Category : Adult

Proposed Care Instruction :



Machine Wash Cold Water, Delicate Cycle, Wash With Like Colours, Mild Detergent, Do Bleach, Tumble Dry Low, Remove Immediately, Do Not Iron, Do Not Dry Clean, Max 5 Cycles.

Sample Receiving Date : May 24, 2021

Testing Period : May 24, 2021 - Jun 01, 2021

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant

Signed for and on behalf of
SGS (Hong Kong) Limited

Fok Chi Shan, Assistant Technical Manager

Test Result

American National Standard for High-Visibility Safety Apparel and Accessories (ANSI/ISEA 107-2020)

Background Material

TESTS FOR ALL MATERIALS				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/Fail/NA
Determination of Color ASTM E1164-17 (Single layer)	8.1.1 8.2.4 10.2	Test specimen must fulfill the colorimetric requirements of Table 3 for background material	<i>As submitted:</i>	Pass
			x = 0.388	
			y = 0.546	Pass
			%Y = 85	Pass
			<i>After 40x Xenon:</i>	Pass
x = 0.388				
y = 0.526	Pass			
%Y = 75	Pass			
<i>After 5x Wash:</i>	Pass			
x = 0.390				
y = 0.548	Pass			
%Y = 84	Pass			

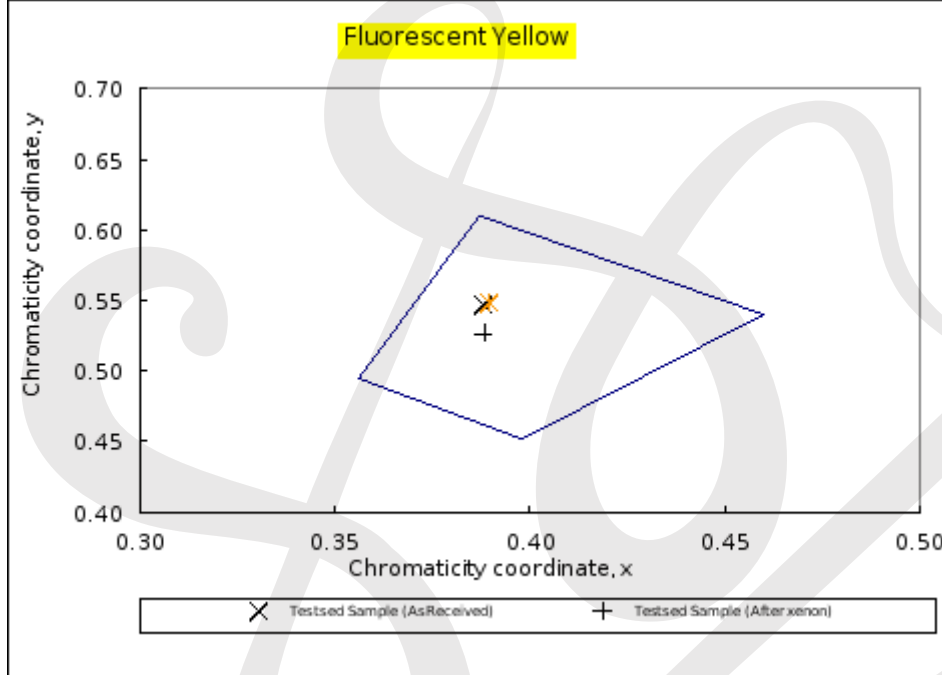
The chromaticity shall lie within one of the areas defined in ANSI/ISEA 107 Table 3 and the total luminance factor shall exceed the corresponding minimum in ANSI/ISEA 107 Table 3.

Color of background material and combined-performance material

Color	Chromaticity coordinates		Minimum total luminance factor Y(%)
	x	y	
Fluorescent yellow-green	0.387	0.610	70
	0.356	0.494	
	0.398	0.452	
	0.460	0.540	

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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.



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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.

TESTS FOR ALL MATERIALS (cont)				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Colorfastness Crocking AATCC 8-2016	8.2.1	Dry 3.0 Wet 3.0	Dry: 4.5 Wet: 4.5	Pass
Colorfastness Perspiration AATCC 15-2013	8.2.2	Color change 4.0 Staining 3.0	Color change: 4.5 Staining Acetate: 3.5 Cotton: 4.0 Nylon: 3.5 Polyester: 4.5 Acrylic: 4.5 Wool: 4.5	Pass
Colorfastness Domestic Laundry AATCC 61-2013-2A 105 F (modified)	8.2.3 Table 3	Color change 4.5 Staining 3.0	Color change: 4.5 Staining Acetate: 3.5 Cotton: 4.5 Nylon: 3.0 Polyester: 4.5 Acrylic: 4.5 Wool: 4.5	Pass
Colorfastness Water AATCC 107-2013	8.2.3 Table 3	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
Dimensional change Domestic AATCC 135-2018 (3)IIIA(iii) @105°F	8.3.1	Knit or Other Fabric L ± 7% W ± 5%	5th Cycle Length = -2.0% Width = -1.6%	Pass
Bursting Strength (Knitted/Other Nonwovens) ASTM D3787-07 (2016); or ASTM D6797-07 (2015)	8.4.1	178 N (27.2 kgf) (40 lbf)	851.9	Pass

End of Report

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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.