







Test Report SL52425356261101TX

Date:November 22,2024 Page 1 of 4

ZHEJIANG HAICHUAN SECURITY SUPPLIES CO.,LTD
JIAODAO INDUSTRIAL ZONE,JIAODAO TOWN,WUYI COUNTY,ZHEJIANG PROVINCE

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

Sample Description : (A)Reflective tape(High Reflective Fabric(Pol))

Sample Color : (A)Silver Style No. : HC-002B

Proposed Care Instruction: -

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

Sample Receiving Date : Nov 19, 2024

Testing Period : Nov 19, 2024 - Nov 22, 2024

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).



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Test Report

SL52425356261101TX

Date:November 22,2024 Page 2 of 4

High-visibility clothing - Test methods and requirements (EN ISO 20471:2013+A1:2016)

Conclusion A Remark

Clause 6.2 Retroreflection after

Abrasion PASS

Clause 6.2 Retroreflection after PASS

Flexing

Clause 6.2 Retroreflection After

Folding At Cold Temperatures

PASS

Clause 6.2 Retroreflection After PASS

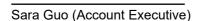
Temperature Variation

Clause 6.2 Retroreflection Under
The Influence Of Rainfall
PASS

Remark(s): PASS=Meet General Requirement

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd





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Test Report

SL52425356261101TX

Date:November 22,2024 Page 3 of 4

Test Result

High-visibility clothing - Test methods and requirements

EN ISO 20471:2013+A1:2016

Clause 6.2 Retroreflection after Abrasion

(Clause 7.3&7.4.1, ISO 12947-2:2016, Martindale Wear & Abrasion Tester: 9kPa Pressure, 5000cycles)

Separate Performance Retroreflective Material

			<u>Measur</u>	<u>ed value</u>			Minimum F	<u>Requirement</u>			
E	<u>ntranc</u>	<u>Observation</u>	(cd/(lx	<u>(. m²))</u>	<u>Orientation</u>		<u>(cd/(l</u>	x. m ²))	<u>Result</u>		
<u>e</u>	Angle	<u>Angle</u>	٥°	90°	<u>Sensitive</u>	Orien	tation	Non-orientation	(Pass/Fail)		
			U	90		Sens	sitive	Sensitive			
	5°	12'	379	361	No	100	75	100	Pass		

Clause 6.2 Retroreflection after Flexing

(Clause 7.3&7.4.2, ISO 7854:1995, method A, 7500cycles)

Separate Performance Retroreflective Material

Entranc	Observation	Measured value (cd/(lx. m²))		Orientation	Minimum Requirement (cd/(lx. m²))			Result				
e Angle	Angle	0°	90°	Sensitive		tation sitive	Non-orientation Sensitive	(Pass/Fail)				
5°	12'	392	383	No	100	75	100	Pass				

Clause 6.2 Retroreflection after Folding at cold temperatures

(Clause 7.3&7.4.3, ISO 4675:2017, (-20±2) °C)

Separate Performance Retroreflective Material

_		Measured value			Minimum Requirement						
<u>Entranc</u>	<u>Observation</u>	(cd/(l)	<u>‹. m²))</u>	<u>Orientation</u>		(cd/(l	<u>lx. m²))</u>	<u>Result</u>			
<u>e Angle</u>	<u>Angle</u>	0°	90°	<u>Sensitive</u>	Orien	tation	Non-orientation	(Pass/Fail)			
			50		Sens	sitive	Sensitive				
5°	12′	402	382	No	100	75	100	Pass			

Clause 6.2 Retroreflection after Temperature Variation

(EN ISO 20471:2013+A1: 2016 Clause 7.3&7.4.4)

Separate Performance Retroreflective Material

Entranc	Observation			<u>m²))</u> Orientation	Minimum Requirement (cd/(lx. m²))			Result
<u>e Angle</u>	<u>Angle</u>	0°	90°	<u>Sensitive</u>		tation sitive	Non-orientation Sensitive	(Pass/Fail)
5°	12'	403	396	No	100	75	100	Pass



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Test Report

SL52425356261101TX

Date:November 22,2024 Page 4 of 4

Clause 6.2 Retroreflection under the influence of rainfall

(EN ISO 20471:2013+A1: 2016 Clause 7.3&7.4.5&Annex C)

Separate Performance Retroreflective Material

Entrance Angle	Observation Angle	Measured v	2))	Minimum Requirement (cd/(lx, m²))	<u>Result</u> (Pass/Fail)	
		0°	90°		,	
5°	12'	230	226	100	Pass	



Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

End of Report



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