CECEP (DAZHOU) NEW MATERIAL CO.,LTD
GROUPS 6 AND 7, ZHONGFENG VILLAGE, BINLANG TOWNSHIP, HIGH-TECH ZONE, DAZHOU, SICHUAN

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

Sample Description	:	(A)Reflective tape (high bright chemical fiber Class II)
Sample Color	:	(A)Gray
Model No.	:	H02
SGS Internal Ref.No.	:	CQ10039666
Other Info.	:	Material: polyester、glass beads、acrylic acid、aluminum powder
Proposed Care Instruction	:	-
Test Performed	:	Selected test(s) as requested by applicant
Sample Receiving Date	:	Sep 27, 2023
Testing Period	:	Sep 28, 2023 - Oct 12, 2023
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).

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

Conclusion	A	Remark
Section 9.1 Retroreflective Performance Requirements Prior to Test Exposures	PASS	
Section 9.2 Retroreflective Performance Requirements after Washing	PASS	

Remark(s) : PASS=Meet General Requirement

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd

Sara Guo (Account Executive)

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. Softline Laboratory

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Test Result

American National Standard for High-Visibility Safety Apparel
ANSI/ISEA 107-2020

Section 9.1 Retroreflective Performance Requirements Prior to Test Exposures
（ANSI/ISEA 107-2020, Section 10.3）

Table 4 Minimum coefficient of retroreflection in cd/(lx·m²) for retroreflective or combined-performance material

Observation Angle	Entrance Angle	Minimum cd/(lx. m²)	Test Result cd/(lx. m²)		Pass/Fail
			ε_1=0°	ε_2=90°	
12′(0.2°)	5°	330/ 248	**436**	**415**	**Pass**
	20°	290/ 218	**429**	**421**	**Pass**
	30°	180/ 135	**412**	**411**	**Pass**
	40°	65/ 48.8	**389**	**369**	**Pass**
20′(0.33°)	5°	250/ 188	**295**	**285**	**Pass**
	20°	200/ 150	**291**	**288**	**Pass**
	30°	170/ 128	**280**	**278**	**Pass**
	40°	60/ 45	**267**	**258**	**Pass**
1°	5°	25/ 18.8	**38.0**	**37.8**	**Pass**
	20°	15/ 11.3	**41.5**	**38.5**	**Pass**
	30°	12/ 9	**44.0**	**43.1**	**Pass**
	40°	10/ 7.5	**42.5**	**35.9**	**Pass**
1°30′(1.5°)	5°	10/ 7.5	**17.8**	**16.6**	**Pass**
	20°	7/ 5.25	**16.9**	**16.7**	**Pass**
	30°	5/ 3.75	**17.8**	**17.1**	**Pass**
	40°	4/ 3	**17.0**	**16.4**	**Pass**

Take measurements atε_1=0°andε_2=90°.Record maximum value on left side of test result column and the other value on right side of test result column.

Section 9.2 Retroreflective Performance Requirements after Washing
(Section 10.3& 10.4.5, ISO 6330:2021:Using horizontal axis, front-loading type machine; Procedure No.6N, Machine Wash At 60°C; with 2kg total dry mass (Type III (100% Polyester) Ballast+Specimen) and 20±1 g ECE reference detergent 98 without optical brightener, Stress-free Dried at 50±5ºC)

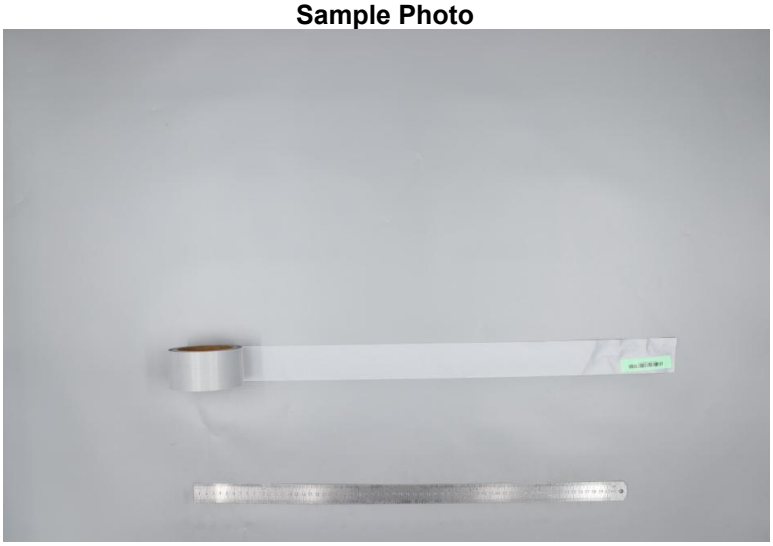
After 25 washes

Observation Angle	Entrance Angle	Minimum cd/(lx. m²)	Test Result cd/(lx. m²)		Pass/Fail
12′(0.2°)	5°	R_A (12′/5°) ＞100 atε_1	ε_1=0°	309	**Pass**
		R_A (12′/5°) ＞75 atε_2	ε_2=90°	**308**	

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Sample Photo



The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report

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