

Test Report No.: HKSL1602022603TX-01 Date: May 09, 2016 Page 1 of 2

Reflective Apparel Factory, Inc. 1649 Sands Place SE, Ste j, Marietta, GA 30067

This report supersedes all previous documents bearing the test report number HKSL1602022603TX dated Mar 02, 2016.

The following sample was submitted and identified by the client as:

One sample of 100 polyester high quality reflective tape in silver for safety clothing.

Ref. No.

Manufacturer : RAF

Country Of Origin : China

Country Of Destination : United States

Sample Receiving Date : Feb 25, 2016

Test Performing Period : Feb 26, 2016 May 09, 2016

Test Performed : Selected tests as requested by applicant.

(details please refer to result page)

Test Results : Please refer to the next page.

Signed for and on behalf of SGS Hong Kong Ltd.

Chan Hing Leung

Senior Technical Development Executive



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Test Results:

American National Standard for High-Visibility Safety Apparel and Accessories (ANSI/ISEA 107-2015)

Combined-Performance and Retroreflective Material Testing Report

PHOTOMETRIC PER	FORMANCE REQ	UIREMENTS	•		
		0°. Record maximum value	e on left side of	test result co	lumn and
the other value on righ	nt side of test result	column.			
ANSI/ISEA 107-2015 Requirement Section 9.1, Table 5			Test Result cd/(lx m²)		Pass/ Fail
Observation Angle	Entrance Angle	Minimum cd/(lx m ²)			
12' (0.2°)	5°	330 / 2	395	3 1	Pass
	20°	290 / 21	376	362	Pass
	30°	1 0 / 135	00	377	Pass
	0°	65 / 7	393	37	Pass
20' (0.33°)	5°	250 / 1	279	272	Pass
-	20°	200 / 150	273	257	Pass
	30°	170 / 12	2 7	271	Pass
	0°	60 / 5	2	275	Pass
1.0°	5°	25 / 1 .	36	35	Pass
	20°	15 / 11.3	32	31	Pass
	30°	12 / 9	32	31	Pass
	0°	10 / 7.5	30	30	Pass
1.5°	5°	10 / 7.5	20	1	Pass
	20°	7 / 5.25	1	17	Pass
	30°	5 / 3.75	17	16	Pass
	0°	/ 3	17	16	Pass

PHYSICAL PERFORMANCE REQUIREMENTS									
Test Sec		ANSI/ISEA	107 Requirement	Test Result	Pass/ Fail				
Retroreflection, after abrasion	9.2, 101	R _A (0.2°/5°) R _A (0.2°/5°)	100 cd/(lx·m ²) at ϵ_1 75 cd/(lx m ²) at ϵ_2	ϵ_1 : 23 ϵ_2 : 23	Pass				
Retroreflection, after flexing	9.2, 102	R _A (0.2°/5°) R _A (0.2°/5°)	100 cd/(lx m ²) at ϵ_1 75 cd/(lx m ²) at ϵ_2	ε ₁ : 37 ε ₂ : 351	Pass				
Retroreflection, after folding at cold temperatures	9.2, 103	R _A (0.2°/5°) R _A (0.2°/5°)	100 cd/(lx m ²) at ϵ_1 75 cd/(lx m ²) at ϵ_2	ε ₁ :3 6 ε ₂ :3 0	Pass				
Retroreflection, after exposure to temperature variation	9.2, 10	R _A (0.2°/5°) R _A (0.2°/5°)	100 cd/(lx·m ²) at ϵ_1 75 cd/(lx·m ²) at ϵ_2	ε ₁ : 01 ε ₂ :396	Pass				
Retroreflection, after 25 washing	9.2, 105	R _A (0.2°/5°) R _A (0.2°/5°)	100 cd/(lx·m ²) at ϵ_1 75 cd/(lx·m ²) at ϵ_2	$\epsilon_1 : 315$ $\epsilon_2 : 315$	Pass				
Retroreflection in rainfall	9.2, 106	R _A (0.2°/5°) R _A (0.2°/5°)	100 cd/(lx m ²) at ϵ_1 75 cd/(lx m ²) at ϵ_2	ε ₁ :1 1 ε ₂ :1 1	Pass				

End of Report

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