TEST REPORT

Mechanical & Hardgoods Laboratory

Report No.： YA20059/2019
Page： 1 of 6
Date： MAR. 07, 2019

SLP PENTERPRISES LLC
60 THOREAU STREET, CONCORD, MA, 01742, U.S.A.

The following merchandise was submitted and identified by the applicant as:

Product Description:	KIDS SUNGLASSES
Style/Item No.:	SURF
Country of Origin:	TAIWAN

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested:	AS/NZS 1067.1:2016 Eye and face protection — Sunglasses and fashion spectacles — Part 1: Requirements Clause 4.1, 4.2, 5.2, 5.3, 6.1, 6.2, 6.3, 7.3, 8, 9
Test Method & Result:	--- See following sheet(s) ---
Date of Receipt:	FEB. 23, 2019
Testing Period:	FEB. 23 ~ MAR. 07, 2019

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Signed for and on behalf of
SGS Taiwan Ltd.

Owen Cheng
Manager

Laboratory address:
61, Kai-Fa Road, Nanzih Export Processing Zone, 81170, Kaohsiung, Taiwan

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Test Method & Result

AS/NZS 1067.1:2016 Eye and face protection — Sunglasses and fashion spectacles — Part 1: Requirements

Clause — Result

4 Construction and materials

4.1 Construction — Pass

Finding

Sample was assessed. None of the defects listed in the Standard was appeared.

4.2 Filter material and surface quality — Pass

Finding

Sample was assessed. None of the defects listed in the Standard was appeared.

5 Transmittance

5.2 Transmittance and filter categories — Category 3

Finding

Sample	Filter Category	Range	Requirement	Test Value	
				Left Ocular	Right Ocular
1	3	380 ~ 780 nm Luminous Transmittance (Tv)	8 ~ 18 %	13.73 %	12.00 %
		280 ~ 315 nm **T_{SUVB}**	＜0.05 Tv	0.00 Tv (0.01 %)	0.00 Tv (0.01 %)
		315 ~ 400 nm **T_{SUVA}**	＜0.5 Tv	0.00 Tv (0.01 %)	0.00 Tv (0.01 %)

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Test Result

Clause — Result

5.3 General transmittance requirements

5.3.1 Uniformity of luminous transmittance — Pass

Finding

Sample	Filter Category	Test Item	Requirement	Test Value	
				Left Ocular	Right Ocular
1	3	Variation within filter	＜10 %	2.39 %	0.72 %
		Difference between filters	≦15 %	12.56 %	

5.3.2 Requirements for road use and driving

5.3.2.1 General — Pass

Filters suitable for road use and driving shall be of categories 0, 1, 2 or 3 and shall additionally meet the requirements cited in Clauses 5.3.2.2, 5.3.2.3 and 5.3.2.4.

5.3.2.2 Spectral transmittance — Pass

Finding

Sample	Filter Category	Range	Requirement (Minimum Spectral Transmittance)	Test Value	
				Left Ocular	Right Ocular
1	3	475 ~ 650 nm	≧0.2 Tv	0.89 Tv (12.20 %)	0.90 Tv (10.76 %)

5.3.2.3 Detection of signal lights — Pass

Finding

Sample	Filter Category	The Relative Visual Attenuation Quotient Q	Requirement	Test Value	
				Left Ocular	Right Ocular
1	3	Red	≧0.80	1.17	1.19
		Yellow	≧0.60	1.05	1.06
		Green	≧0.60	0.97	0.97
		Blue	≧0.70	0.97	0.96

5.3.2.4 Driving in twilight or at night — See Note *

Note *: Sunglass filters with a luminous transmittance of less than 75% shall not be used for road use and driving in twilight or at night.

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Clause	Result
5.3.3 Wide angle scattering	Pass

Finding

Sample	Requirement	Test Value	
		Left Ocular	Right Ocular
1	≦3 %	1.9 %	1.9 %

6 Refractive power

6.1 Spherical and astigmatic power — Pass

Finding

Sample	Requirement	Spherical Power (m^{-1})		Astigmatic Power (m^{-1})	
		±0.12		±0.09	
2	Test Value	Left Ocular	Right Ocular	Left Ocular	Right Ocular
		-0.04	-0.02	0.06	0.06

Sample	The Spherical Powers Difference Between Right And Left Filters (m^{-1})	Test Value (m^{-1})
2	≦0.18	0.02

6.2 Local variations in refractive power — N/A

6.3 Prism imbalance (relative prism error) — Pass

Finding

Sample	Requirement	Prism Imbalance		
		Horizontal (cm/m)		Vertical (cm/m)
		Base Out	Base In	
		＜1.00	＜0.25	＜0.25
2	Test Value	0.15	--	0.00

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Clause	Result
7 Robustness	
7.3 Robustness and filter retention	Pass

Finding

Sample was assessed. None of the defects listed in the Standard was appeared on both left and right oculars.

8 Resistance to solar radiation — Pass

Finding

Sample	Filter Category	Permitted Relative Change In Luminous Transmittance After Test	Test Value	
			Left Ocular	Right Ocular
1	3	±10%	1.17 %	2.42 %

Following additional requirements shall be complied with also after the irradiation process.

a. Wide angle scattering — Pass

Sample	Requirement	Test Value	
		Left Ocular	Right Ocular
1	≦3 %	1.7 %	1.9 %

c. Requirements For The Ultraviolet Spectral Range For Initial Tv0 (Luminous Transmittance) — Pass

Sample	Filter Category	Range	Requirement	Test Value	
				Left Ocular	Right Ocular
1	3	280 ~ 315 nm T_{SUVB}	＜0.05 Tv	0.00 Tv (0.01 %)	0.00 Tv (0.01 %)
		315 ~ 400 nm **T_{SUVA}**	＜0.5 Tv	0.00 Tv (0.01 %)	0.00 Tv (0.01 %)

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Test Result

Clause	Result
9 Resistance to ignition	Pass

Finding

Sample was assessed. Sample was not ignited or continued to glow after removal of the steel rod.

– Picture(s) –

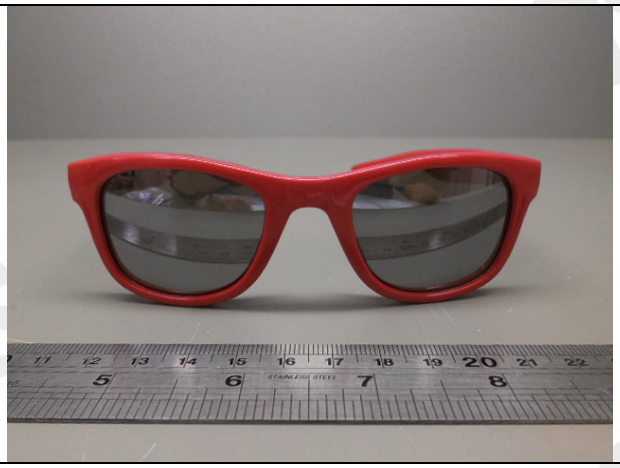	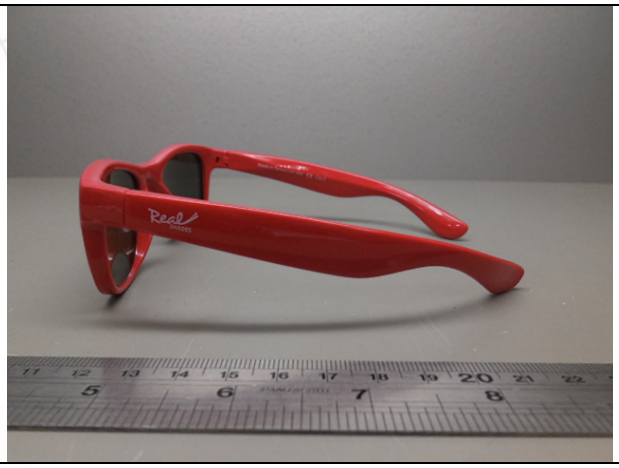
Photo “A” : Appearance of sample (front view)	Photo “B” : Appearance of sample (side view)

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