

Test Report Number: SZHH01484883

Date:

Aug 03, 2020

Applicant: FOSHAN LIXIN TRADING CO.,LTD

ROOM 1107, BUILDING NO.2, SANXING

FINANCIAL BUILDING, NORTH

LISHUI ROAD, LISHUI TOWN, NANHAI,

FOSHAN, GUANGDONG, CHINA

Attn: **JESSICA**

Sample Description:

One (1) piece of submitted sample said to be : Item Name : **UV Protect UV Protective Sun Visor.**

Country of Origin China.

Date Sample Received Jul 27, 2020.

Testing Period Jul 27,2020 ~ Aug 03, 2020.



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Conclusion:

Tested sample Standard ANSI Z80.3: 2018 Submitted samples

Nonprescription sunglasses and fashion eyewear

requirements (Partial tests)

Result

See test conducted

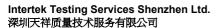
Authorized by:

For Intertek Testing Services

Shenzhen Ltd.

Rachel L. Guo General Manager









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Tests Conducted

1 Requirements for Sunglasses (Uniformly Tinted Lenses)

Test standard: ANSI Z80.3: 2018 Nonprescription sunglasses and fashion eyewear requirements

Number of samples tested: One (1) piece.

Note:

- This standard is not applicable to this submitted sample but was adopted as reference. (1)
- (2)As per applicant's request, selective clauses as shown in the following table were conducted.

Section	Requirement	Result
4.9	Refractive properties	
4.9.1	Refractive power	Р
4.9.2	Astigmatic power	Р
4.9.3	Prismatic power imbalance	Р
4.10.1	Luminous transmittance	Р
4.10.2.1	Color limits	Р
4.10.2.2	Traffic signal transmittance	Р
4.10.2.3	Spectral transmittance	Р
4.10.3	Ultraviolet mean transmittance	Р

Abbreviation: P = Pass

Test data:

4.9 Refractive properties

Refractive p	Left ocular	Right ocular	Limit					
4.9.1 Refractive power								
Refractive power (m ⁻¹) -0.02 -0.02 ±0.13 m ⁻¹								
4.9.2 Astigmatic power								
Astigmatic power (m ⁻¹)	0.02 0.04		≤ 0.13 m ⁻¹					
4.9.3 Prismatic power imbalance								
Prismatic imbalance (as	Horizontal	0.278		<0.5 cm/m				
worn), (cm/m)	Vertical	0.014		<0.25 cm/m				

4.10.1 Luminous transmittance

Range	Left ocular (%)	Right ocular (%)	Primary function and shade		
380 - 780 nm (Tv)	8.07	8.50	General purpose		









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4.10.2.1 Color limits

Color limits	Left	ocular	Right ocular		
	X-value	Y-value	X-value	Y-value	
Yellow signal color coordinates	0.58	0.42	0.58	0.42	
Green signal color coordinates	0.20	0.47	0.20	0.46	
Average daylight (D65) color coordinates	0.32	0.39	0.31	0.38	

4.10.2.2 Transmittance properties related to traffic signal recognition

Traffic signal transmittance	Left ocular (%)	Right ocular (%)	Limit (%)
Red signal	8.86	9.91	≥8
Yellow signal	7.42	7.88	≥6
Green signal	8.74	9.21	≥ 6
Luminous transmittance	8.07	8.50	≥8

4.10.2.3 Spectral transmittance

Range	Minimum tra	nsmittance (%)	Limit (%)		
range	Left ocular	Right ocular	Left	Right	
475 – 650 nm	6.00	6.24	≥ 0.2 τ _v (1.61)	≥ 0.2 τ _v (1.70)	

4.10.3 Ultraviolet mean transmittance

	Maximum transmittance (%)		Limit					
Range			Norm	ial use	High and prolonged exposure			
	Left ocular	Right ocular	Left	Right	Left	Right		
280 - 315 nm (UVB)	0.00	0.00	0.125 τ _v / 1%	0.125 τ _ν / 1%	1%	1%		
315 - 380 nm (UVA)	0.03	0.03	$ au_{v}$ / 0.5 $ au_{v}$	$ au_{v}$ / 0.5 $ au_{v}$	1% / 0.5 τ _ν	1% / 0.5 τ _ν		





1号楼3、4、5层及1楼西侧半层和3号楼整栋1-5层



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Requirement:

		Transmittance properties relating to traffic signal recognition			Mean transmittance, τ (λ_1, λ_2), ultraviolet spectral region				
Primary function	Luminous transmittance	Color limits and	Minimum traffic signal transmittance τ(sig)		UVB or erythemal zone (280-315nm)		UVA or near UV zone (315-380nm)		
		chromaticity coordinates	Red signal	Yellow signal	Green signal	Normal use	High and prolonged exposure	Normal use	High and prolonged exposure
Cosmetic lens or shield, light	Greater than 40%	Refer to Fig.1	8%	6%	6%	0.125 τ _V max	1% max	τ _V max	0.5 τ _V max
General purpose lens or shield, medium to dark	8 - 40%	Refer to Fig.1	8%	6%	6%	0.125 τ _V max	1% max	τ_V max	0.5 τ _V max
Special purpose lens or shield, very dark	3 - 8%	Data do not meet the requirements of 4.10.2			1% max	1% max	0.5 τ _V max	0.5 τ _V max	
Special purpose lens or shield, strongly colored	Greater than 8%	Data do not meet the requirements of 4.10.2 (See Note below)			1% max	1% max	0.5 τ _V max	0.5 τ _V max	

Abbreviation: < = Less than

> = More than

≤ = Less than or equal to

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band w = U) except designation from the customer, regulation or test specification.

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