

SHAN SHUI SPECTACLES IND. CO., LTD.

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TEST REPORT

Clients:

Fairway Import/ Export, Inc. dba LIFT SAFETY
2130 E. Gladwick Street
Rancho Dominguez, CA 90220
U. S. A.

Date: Apr. 17, 2020

Issue: 1

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Item: SG564S (Quest)

Assessment Summary:

Date(s) of test(s): Apr. 17, 2020

CSA Z97.3-07 Requirements		Compliant	Non Compliant
6	General Requirements		
6.1	Impact Resistance	v	
6.2	Ignition/ Flammability Requirements		
6.2.1	Ignition Resistance	v	
6.2.2	Flame Resistance	v	
6.3	Replacement Components		
6.4	Clear Zero-Power Lenses		
6.4.1	Size	Not applicable	
6.4.2	Refractive (residual) Power	v	
6.4.3	Resolving Power	v	
6.4.4	Prismatic Deviation	v	
6.4.5	Haze	v	
6.4.6	Luminous Transmittance		
6.5	Zero-Power Filters	Not applicable	
6.6	Zero Power Special Purpose Lenses		

6.1 Impact Resistance

Sample ID	Location	Velocity (ft/sec)	Pass	Fail
1-1	Bridge	154.9	v	
1-2	Left Ocular Center 0°	152.6	v	
1-3	Right Ocular Center 0°	152.2	v	
1-4	Left Ocular, 0°-15mm to temple	146.0	v	
1-5	Right Ocular, 0°-15mm to temple	152.8	v	
1-6	Frontal (0°) Right Temple End Piece	157.2	v	
1-7	Lateral (90°) Right Temple End Piece and Eyewear (Left)	153.1	v	
1-8	Lateral 90° Left, 10mm behind Apex	155.8	v	
1-9	Lateral 90° Left, 10mm behind Apex up 10mm	157.0	v	
1-10	Lateral 90° Left, 10mm behind Apex down 10mm	149.8	v	
1-11	Eyewear - thinnest point or in front of eyewear screw Left	148.9	v	

6.4.2 Refractive (residual) Power

Sample ID	Left Ocular (D)	Right Ocular (D)	Pass	Fail
1-12	-0.03	-0.03	v	
Specification:	+/- 0.12			

6.4.3 Resolving Power

Sample ID	Pattern Resolved (seconds of arc)		Pass	Fail
	Left Ocular	Right Ocular		
1-13	≤ 60-s	≤ 60-s	v	
Specification:	≤ 60			

6.4.2 Prismatic Deviation

Sample ID	Vertical Imbalance (cm/m)	Horizontal Imbalance (cm/m)	Pass	Fail
1-14	<0.125	0.025 Base out	v	
Specification:	≤ 0.25	≤ 0.75 Base Out ≤ 0.25 Base In		

6.4.5 Haze (Clear Lens Only)

Sample ID	Location	Measured Value (%)	Pass	Fail
1-15	Left Ocular	0.69	v	
1-16	Right Ocular	0.83	v	
Specification:	≤ 2			

6.4.6 Luminous Transmittance

Sample ID	Left (%)	Right (%)	Pass	Fail
1-17	92.03%	91.60%	v	
Specification:	≥ 85			

Sample Photograph:



Q.A. manager

Jeff
