



TECHNICAL DATA SHEET

SAFETY GLASSES

High Mass Impact Test (Frame)

Right Ocular:	Pass
Left Ocular:	Pass

High Velocity Impact Test (Frame)

Right Ocular 15 ⁰ Nasal	Pass
Right Ocular 0 ⁰	Pass
Right Ocular 15 ⁰ Temporal	Pass
Right Ocular 30 ⁰ Temporal	Pass
Right Ocular 45 ⁰ Temporal	Pass
Right Ocular 60 ⁰ Temporal	Pass
Right Ocular 75 ⁰ Temporal	Pass
Right Ocular 90 ⁰ Temporal	Pass
Right Ocular 90 ⁰ Temporal + 10mm	Pass
Right Ocular 90 ⁰ Temporal – 10mm	Pass
Left Ocular 15 ⁰ Nasal	Pass
Left Ocular 0 ⁰	Pass
Left Ocular 15 ⁰ Temporal	Pass
Left Ocular 30 ⁰ Temporal	Pass
Left Ocular 45 ⁰ Temporal	Pass
Left Ocular 60 ⁰ Temporal	Pass
Left Ocular 75 ⁰ Temporal	Pass
Left Ocular 90 ⁰ Temporal	Pass
Left Ocular 90 ⁰ Temporal + 10mm	Pass
Left Ocular 90 ⁰ Temporal – 10mm	Pass

Drop Ball Impact Test (Lens)

Right Ocular	Pass
Left Ocular	Pass

Minimum Thickness (Lens)

Measured Value:	2.2mm
Specification:	≥ 2.0 mm
Pass/Fail:	Pass

Penetration Test (Lens)

Right Ocular	Pass
Left Ocular	Pass

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Optical Requirements

Prismatic Power & Imbalance

<u>Measured Value</u>	<u>Specification</u>	<u>Pass/Fail</u>
0.17	Prismatic Power: ≤ 0.50	Pass
0.03	Vertical Imbalance: ≤ 0.25	Pass
0.19 Base Out	Horizontal Imbalance: ≤ 0.50 Base out	Pass
	≤ 0.25 Base in	Pass

Refractive Power & Astigmatism

<u>Location</u>	<u>Measured Value</u>	<u>Specification</u>	<u>Pass/Fail</u>
Right Ocular	-0.04D	Refractive $\leq +/-0.0625D$	Pass
Right Ocular	0.01D	Astigmatism $\leq 0.0625D$	Pass
Left Ocular	-0.05D	Refractive $\leq +/-0.0625D$	Pass
Left Ocular	0.01D	Astigmatism $\leq 0.0625 D$	Pass

Definition

<u>Location</u>	<u>Measured Value</u>	<u>Specification</u>	<u>Pass/Fail</u>
Right Ocular	Pattern 24	Pattern 20	Pass
Left Ocular	Pattern 24	Pattern 20	Pass

Haze

<u>Location</u>	<u>Measured Value</u>	<u>Specification</u>	<u>Pass/Fail</u>
Right Ocular	0.1%	$\leq 3\%$	Pass
Left Ocular	0.0%	$\leq 3\%$	Pass

Transmittance

<u>Location</u>	<u>%T(L)</u>	<u>Specification</u>	<u>Pass/Fail</u>
Right Ocular	91.5%	$100\% \geq T(L) \geq 85\%$	Pass
Left Ocular	91.6%	$100\% \geq T(L) \geq 85\%$	Pass
L/R Ratio	1.00	$1.10 \geq L/R \geq 0.9$	Pass

Flammability Resistance

<u>Component</u>	<u>Measured Value</u>	<u>Specification</u>	<u>Pass/Fail</u>
Lens	5.5 mm/min	$\leq 76\text{mm/min}$	Pass
Temple	25.9 mm/min	$\leq 76\text{mm/min}$	Pass

Marking

<u>Component</u>	<u>Specification</u>	<u>Product Marking</u>	<u>Pass/Fail</u>
Lens	Manufacturers Mark	S	Pass
Frame	Manufacturers Mark	S	Pass
Temple	287 Mark	287	Pass

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