



ANSI Z87.1- 2015; Optical Requirements Par. 7.4.3.4: Resolving Power

Result Pass

Sample ID	Location	Measured Value	Specification	Pass/Fail
1-20	Right Ocular	Pattern>20	Pattern>20	Pass
	Left Ocular	Pattern>20		Pass

ANSI Z87.1- 2015; Optical Requirements Par. 7.4.3.5: Haze

Result: Not applicable for special purpose lenses.

ANSI Z87.1- 2015; Optical Requirements Par.7.4.3.6: Transmittance

Result: Pass, Gray w/ Anti-Fog Lens

Sample ID	Location	%T(L)	Specification	Pass	Fail
1-21	Right Ocular	12%	Clear: $100\% \geq T(L) \geq 85\%$ Special Purpose Tinted: $100\% \geq T(L) \geq 8\%$ Special Purpose Extra Dark: $8\% > T(L) \geq 0.2\%$	X	
	Left Ocular	12%		X	
	L/R Ratio	1		Clear and Tinted $1.10 \geq L/R \geq 0.9$ Extra Dark $1.20 \geq L/R \geq 0.89$	X

Result: Pass, Gray PCPOL w/ Anti-Fog Lens

Sample ID	Location	%T(L)	Specification	Pass	Fail
1-21	Right Ocular	11%	Clear: $100\% \geq T(L) \geq 85\%$ Special Purpose Tinted: $100\% \geq T(L) \geq 8\%$ Special Purpose Extra Dark: $8\% > T(L) \geq 0.2\%$	X	
	Left Ocular	11%		X	
	L/R Ratio	1		Clear and Tinted $1.10 \geq L/R \geq 0.9$ Extra Dark $1.20 \geq L/R \geq 0.89$	X

Result: Pass, Yellow w/ Anti-Fog Lens

Sample ID	Location	%T(L)	Specification	Pass	Fail
1-21	Right Ocular	84%	Clear: $100\% \geq T(L) \geq 85\%$ Special Purpose Tinted: $100\% \geq T(L) \geq 8\%$ Special Purpose Extra Dark: $8\% > T(L) \geq 0.2\%$	X	
	Left Ocular	84%		X	
	L/R Ratio	1		Clear and Tinted $1.10 \geq L/R \geq 0.9$ Extra Dark $1.20 \geq L/R \geq 0.89$	X

Result: Pass, Clear w/ Anti-Fog Lens

Sample ID	Location	%T(L)	Specification	Pass	Fail
1-21	Right Ocular	90%	Clear: $100\% \geq T(L) \geq 85\%$ Special Purpose Tinted: $100\% \geq T(L) \geq 8\%$ Special Purpose Extra Dark: $8\% > T(L) \geq 0.2\%$	X	
	Left Ocular	90%		X	
	L/R Ratio	1		Clear and Tinted $1.10 \geq L/R \geq 0.9$ Extra Dark $1.20 \geq L/R \geq 0.89$	X

T (L)= Luminous Transmittance
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