

Test Your Sunglasses and Protect Your Eyes



Do your sunglasses focus only on design? Do they also protect the user? Like other glasses, sunglasses must be sturdy, safe, and provide proper protection against UV radiation. According to European Regulation 2016/425, sunglasses are classified as Category 1 Personal Protective Equipment.

Ensure the quality and safety of your sunglasses by testing with the STC Eyewear Testing Lab. STC's advanced testing equipment and expert teams provide professional sunglasses testing according to the standards of target countries and regions. Testing includes **mechanical and polarization inspection, optical testing, chemical analysis (including nickel release), aging testing, and irradiation.**

Tests	Testing Standards	Tests	Testing Standards
Uniformity of Luminous Transmittance	ISO 12312-1 ANSI Z80.3 GB 39552.1	Bridge Deformation and Lens Retention Characteristics	ISO 12312-1 ISO 12870 ANSI Z80.3 GB 39552.1 GB/T 14214
Sunglasses for Road Use and Driving		Resistance to Optical Radiation	
Wide-angle Scatter		Resistance to Ignition	
Blue Light Absorption and Transmittance		Resistance to Perspiration	
UV Absorption and Transmittance		Bonding Force of Coating layer	
Transmittance Ratio of Solar Infrared Spectrum		Impact Resistance	
Spherical Diopter, Astigmatism, and Prism Diopter		Abrasion	
Sunglasses Endurance Strength		Nickel Release	



For more details, contact us now.

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