

SUNGLASSES **TESTING & INSPECTION SERVICE**



"Committed To Quality"

fitei FITI Testing &
Research Institute



太阳眼镜产品检测服务

太阳眼镜是一种为防止太阳光强烈刺激造成对人眼伤害的视力保健用品，无论在日常的生活中，还是外出旅游、登山、海滩等户外活动，它都是必不可少的。而消费者在追求时尚同时，更日渐重视产品的质量和安全性。为了保护消费者免受日晒紫外线照射及减少其带来的不良影响，全球许多国家针对太阳眼镜均制定了相应的安全与性能检测标准。

测试要求

产品类别	目标市场	相关标准	主要测试
太阳镜	全球	ISO 12312-1	1. 眼镜框架：镍析出、结构及阻燃性等 2. 眼镜镜片：透射比、模拟日光照射、散射光、光学度数、阻燃性和最低坚固度等 3. 其它：反射比、UV400、蓝光辐射、加强坚固度等。
	欧洲	EN ISO 12312-1	
	美国	ANSI Z80.3	
	亚太平洋	AS/NZS 1067	
	中国	QB 2457 & GB 10810.3	
	日本	JIS B 9905	
	韩国	KS P 4404	

配光眼镜架产品检测服务

眼镜架是日常应用最为广泛的一种眼镜产品，镜架的好坏也与视力息息相关。如镜架变形会导致镜片与眼镜之间不吻合，影响镜片矫正视力的效果，甚至起到反作用。随着消费者对产品安全意识和功能方面的加强，许多国家对配光镜架的材料、尺寸、表面涂层及其功能等多方面都制定了不同的标准和法规等的要求。

测试要求

产品类别	目标市场	相关标准	主要测试
配光眼镜架	全球	ISO 12870	1. 物理机械类：眼镜框架尺寸、机械强度、高温尺寸稳定性、阻燃性等 2. 表面处理类：抗汗腐蚀、镀层结合力、盐雾试验、镍析出等 3. 选择性要求：模拟日光检测
	欧洲	EN ISO 12870	
	美国	ANSI Z80.5	
	亚太平洋	AS/NZS 2228.2	
	中国	GB/T 14214	
	日本	JIS B 7285	
	韩国	KS G ISO 12870	



Sunglasses Testing Service

Sunglasses are designed to prevent ultraviolet rays and serve not only for practical and protective purposes. It now becomes a necessity in our daily lives, and for any kind of outdoor activities like travelling, hiking, or going to beaches. Nowadays, it serves not only for practical functions and fashion accessories but increasingly look for high quality and safety as well. In order to protect consumers from ultraviolet rays and reduce its adverse effect, safety and performance standards for sunglasses have been set in many countries worldwide.

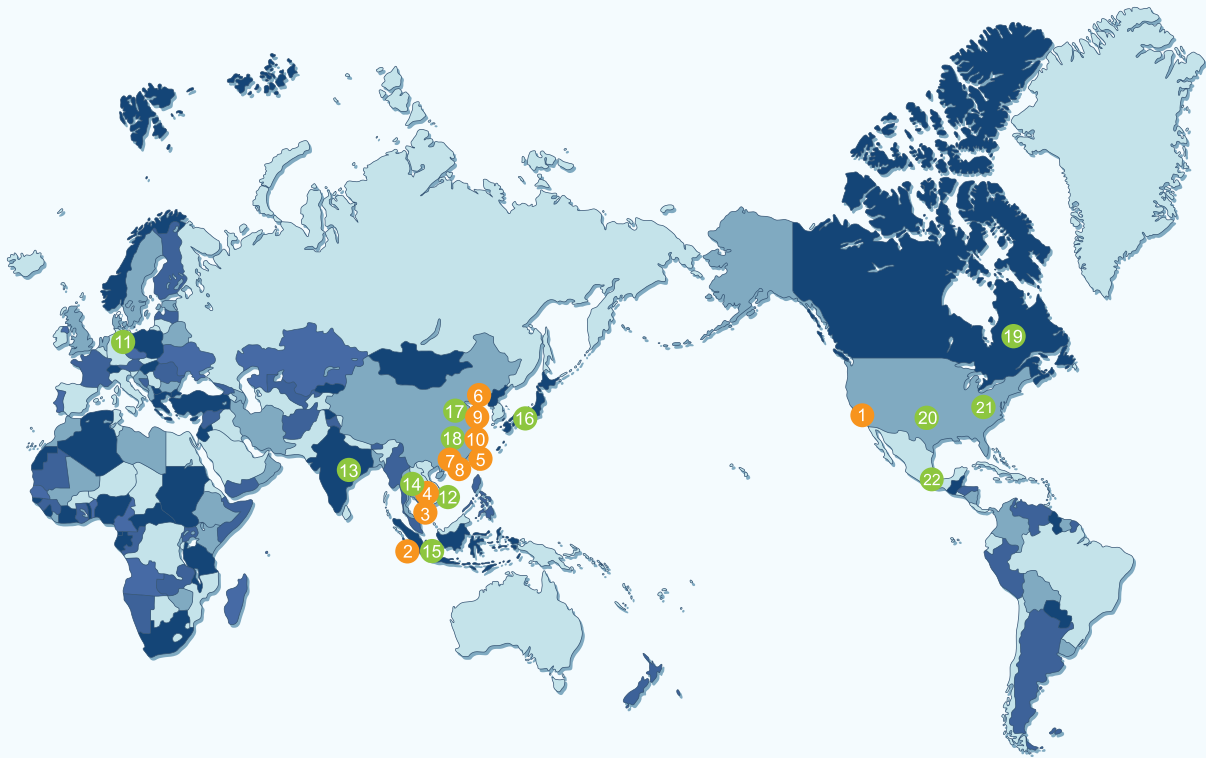
Type of Product	Target Market	Relevant Standards	Major Testing Items
Sunglasses	Global	ISO 12312-1	1. Frames : Nickel Release, Structure and Ignition etc. 2. Lenses : Transmittance, Resistance to Radiation, Scattered Light, Optical Power, Ignition and Robustness, etc. 3. Others : Reflectance ,UV400, Blue-light Radiation and Enhanced Robustness, etc.
	Europe	EN ISO 12312-1	
	USA	ANSI Z80.3	
	Australia/New Zealand	AS/NZS 1067	
	China	QB 2457, GB 10810.3	
	Japan	JIS B 9905	
	Korea	KS P 4404	

Spectacle Frames Testing Service

Spectacle Frames are most common among all optical products. The quality of spectacle frames affects one's eyesight. For example, deformation of spectacle frames would cause non-compatibility between lenses and frames, affects the functions of correcting eyesight, or even leads to counterproductive result. As consumers strengthen the awareness of products' safety and functions, many countries have developed different standards and regulations on the materials, sizes, surface coatings and functions of spectacle frames.

Type of Product	Target Market	Relevant Standards	Major Testing Items
Spectacle Frames	Global	ISO 12870	1. Physical and Mechanical Category : Dimensional Tolerance, Mechanical Strength, Dimensional Stability at Elevated Temperature, Resistance to Ignition etc. 2. Surface Category : Resistance to Perspiration, Coating Adhesion, Salt Spray Test, Nickel Release, etc. 3. Optional Requirements : Resistance to Radiation.
	Europe	EN ISO 12870	
	USA	ANSI Z80.5	
	Australia/New Zealand	AS/NZS 2228.2	
	China	GB/T 14214	
	Japan	JIS B 7285	
	Korea	KS G ISO 12870	

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www.fiti.re.kr

Contact for Eyewear Testing and Inspection

Justin An : +86(20)3869-2445, justin.an@fitiglobal.com

Ethan Lee : +86(20)3869-2445, ethan.lee@fitiglobal.com