



# 眼镜和眼镜架测试服务

随着消费者购物要求的提升，购买眼镜及眼镜架不仅仅是为了提高视力，更要满足佩戴舒适并且外形设计美观的要求。此外，许多国家对于眼镜及眼镜架的质量安全都有明确的标准要求，例如 ISO 12870, ISO 16034, EN 14139, ANSI Z80.31, AS/NZS ISO 16034, GB/T 14214, GB 13511.1, GB 13511.2等。

UL拥有完善的测试能力，可以根据各国不同的标准要求为您提供眼镜及镜架的测试。例如，欧洲市场在Medical Device Directive 93/42/EEC ("MDD") 中把眼镜和眼镜架列为1级医疗器械，需要在产品上标有“CE标志”。而在美国，所有的眼镜及眼镜架需要符合美国食品及药物管理局 (21CFR 801.410) 的要求。

## 老视镜测试：

- 尺寸允差
- 镜架变形和镜片保持力
- 阻燃性
- 抗汗腐蚀
- 设计参考点
- 更多
- 光学度数
- 耐久性
- 透射比
- 机械强度
- 镍释放水平

## 眼镜架测试：

- 标称尺寸公差
- 抗日光辐射
- 抗汗腐蚀
- 阻燃性
- 高温尺寸稳定性
- 耐久性
- 镍释放水平
- 鼻梁变形
- 镜片保持力
- 更多

始于1894年，UL一直是安全科学领域备受推崇的领导者。如今，UL继续履行着自己的使命，通过专业顾问服务及对各类消费品独立的质量保证测试、检验和评估，保护着人类、产品和环境。我们在40个国家拥有152家测试实验室和认证机构，帮助推动全球供应链的诚信，优化产品性能，并保护品牌。



如需了解更多UL眼镜测试服务详情，请发邮件至 [AsiaEnquiry@ul.com](mailto:AsiaEnquiry@ul.com)，或访问 [www.ul.com](http://www.ul.com)





# Reading Glasses and Spectacle Frames Testing Services

With increase in consumer expectation, buying a pair of reading glasses or spectacle frames is not just to improve vision but must also offer comfort with designer style. Many countries enforce requirements for reading glasses and spectacle frames, such as ISO 12870, ISO 16034, EN 14139, ANSI Z80.31, AS/NZS ISO 16034, GB/T 14214, GB 13511.1, GB 13511.2 etc.

UL has capability to test your reading spectacles and spectacle frames according to different country standards. European market, both reading spectacles and spectacle frames are classified as class 1 medical devices under Medical Device Directive 93/42/EEC ("MDD") and have "CE" marking on products. Meanwhile all reading glasses and finished mounted spectacles must comply with US Federal Food and Drug Administration ("FDA") requirements (21CFR 801.410) in USA.

## Testing requirements for Reading Glasses:

- Dimensional Tolerance
- Bridge deformation and lens retention
- Resistance to Ignition
- Resistance to Perspiration
- Design reference points
- Etc.
- Optical Power
- Endurance
- Transmittance
- Mechanical Strength
- Nickel Release

## Testing requirements for Spectacle Frames:

- Dimensional tolerances on nominal size
- Resistance to optical radiation
- Resistance to perspiration
- Resistance to ignition
- Dimensional stability at elevated temperatures
- Endurance
- Nickel release
- Bridge Deformation
- Lens Retention
- Etc.

Since 1894, UL has been a respected leader in safety science. Today, UL is advancing its commitment to protecting people, products and places through expert advisory offering an extensive array of services to our diverse customers that support every stage of the product life cycle, from the testing of new technologies to market access. Our network of more than 170 testing and certification facilities in 40 countries helps drive the integrity of global supply chains, optimize product performance and protect brands.



For more information to find how UL can help you with Eyewear Testing Services please write to [AsiaEnquiry@ul.com](mailto:AsiaEnquiry@ul.com) or visit [www.ul.com](http://www.ul.com)

