

Eyewear Protection

Reading Spectacles and Spectacle Frames Testing



Valued Quality. Delivered.



When choosing a pair of reading spectacles, most consumers look for glasses that not only improve their vision, but offer comfort and style as well. Manufacturers are then tasked with meeting the demands of consumers as well as meeting the standards set forth by the industry.

Intertek has the ability to test your reading spectacles to EN 14139:2010, ophthalmic optics – specifications for ready-to-wear spectacles. In addition, Intertek can also test your spectacle frames to standard EN ISO 12870:2009 – ophthalmic optics – spectacle frames. Both reading spectacles and spectacle frames are classified as class 1 medical devices under Medical Device Directive 93/42/EEC.

At Intertek, we are dedicated to providing one-stop-shop eyewear testing solutions to support our clients in the global marketplace.

Our services include:

- Sunglasses testing
- Reading spectacle testing
- Ski goggle testing



The Challenge

As technology continues to advance, consumers find themselves in front of digital devices such as televisions, laptop and tablet computers and portable video players at a younger age, placing additional prolonged strain on the eyes over the years. Understanding the importance of healthy vision, consumers invest time and money into finding the perfect pair of spectacles that not only enhance their vision, but can withstand the trials of daily use while providing style and comfort.

The Solution

With over 1,000 offices and labs in over 100 countries, Intertek is well-equipped with the state-of-the-art testing facilities with Intertek experts offering customers expertise in the evaluation of their reading spectacles and spectacle frames. Intertek is capable of performing the following tests to industry standards:

Reading Spectacles:

- General requirements of EN 14889
- Frame requirements of EN ISO 12870
- Optical power
 - Spherical power
 - Astigmatic power
 - Prismatic power
- Marking

Spectacle Frames:

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

In addition to providing testing services in accordance with national and international requirements, Intertek can assist customers in developing product safety and performance specifications for all of their individual needs. Moreover, consultation services are available to assist our clients to upgrade their product quality to essentially strengthen their competitive edge in the global marketplace.

About Intertek

Intertek is a leading provider of quality and safety solutions serving a wide range of industries around the world.

From auditing and inspection, to testing, quality assurance and certification, Intertek is dedicated to adding value to customers' products and processes, supporting their success in the global marketplace.

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