

# Quartz Glass Tube Performance Test Report

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Felix Glass specializes in custom precision optical components for machine vision, laser systems, medical optics, spectroscopy and industrial imaging. OEM & ODM manufacturing services are available worldwide.

## Test Equipment

Dimensional coordinate tester, spectral spectrometer, high-temperature test chamber, structural stress detector, visual defect inspection system

## Typical Test Items

- Outer / inner diameter dimensional tolerance
- Straightness and length consistency
- UV-visible spectral transmittance (transparent grades)
- High-temperature structural stability
- Surface defect and scratch inspection
- Bending forming uniformity

## Test Summary

Clear quartz tubes present stable optical transmission for UV and visible optical systems. Opaque quartz tubes provide effective thermal shielding under industrial heating conditions. Thermally processed tubes show controlled residual stress after forming. All tested samples meet standard industrial application requirements. Full test data is available upon customer request.

The information contained in this document is provided for reference only. Final specifications are subject to mutually approved engineering drawings, production capability review, and customer project requirements.

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