



TOQUARTZ

Product Catalog

TOQUARTZ®

Quartz Cuvette with PTFE Stopper

Integrated Engineering & Agile Production
for Demanded Specifications





TOQUARTZ® QUARTZ CUVETTE WITH PTFE STOPPER

TOQUARTZ® is a specialized manufacturer of high-purity quartz products based in China, serving global B2B clients in laboratory instrumentation, biomedical research, and environmental monitoring. With in-house engineering support and flexible production capabilities, we offer both standard and custom TOQUARTZ® Quartz Cuvette with PTFE Stopper with fast delivery and consistent quality.



Product Overview

TOQUARTZ® High-precision micro quartz cuvettes with PTFE stoppers designed for UV-Vis spectroscopy and fluorescence analysis. Manufactured from high-purity quartz ($\geq 99.98\%$ SiO₂, up to 99.995%) with excellent optical transmission from 200nm to 2500nm.



TOQUARTZ® QUARTZ CUVETTE WITH PTFE STOPPER



Key Features

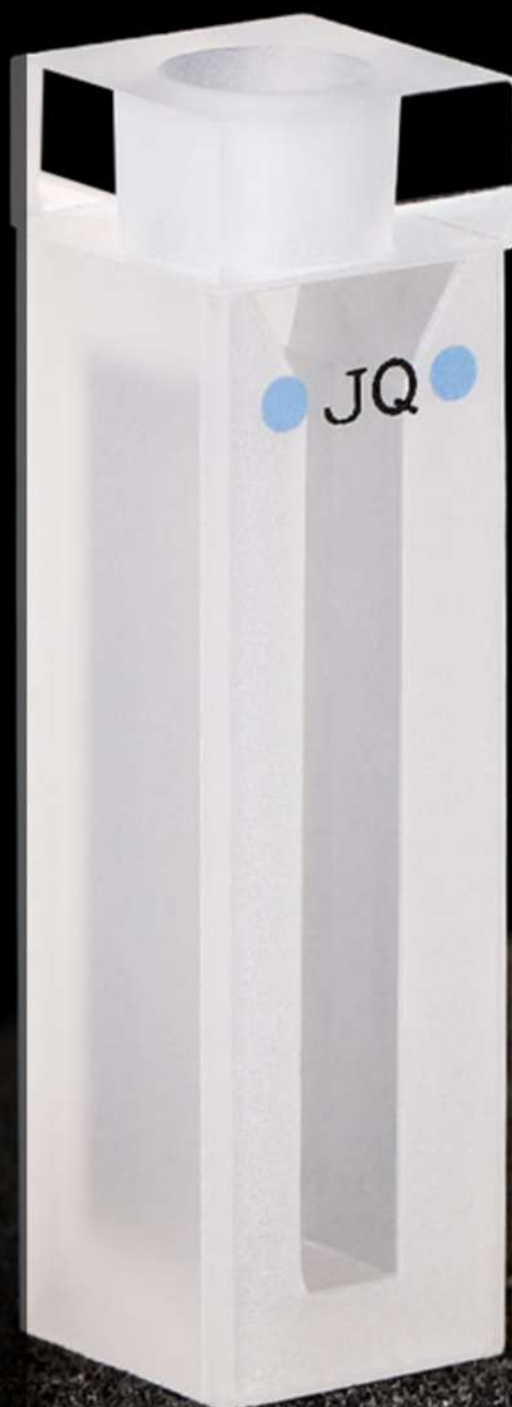
- Superior material purity ($\geq 99.98\%$ SiO₂, up to 99.995%)
- Exceptional optical transmission (200-2500nm)
- Precision dimensions ($\pm 0.1\text{mm}$ tolerance)
- Secure PTFE stoppers for reliable sealing
- Excellent chemical and thermal resistance
- Available in standard and custom specifications

TOQUARTZ® QUARTZ MICRO CUVETTES WITH BLACK WALLS



Applications

- UV-Vis spectroscopy
- Fluorescence analysis
- DNA/RNA quantification
- Protein concentration determination
- Environmental sample testing
- Chemical kinetics monitoring
- Pharmaceutical quality control





TECHNICAL SPECIFICATIONS

Physical Properties	Specifications
Material	High-purity quartz ($\geq 99.98\%$ SiO ₂ , up to 99.995%)
Stopper Material	PTFE (Polytetrafluoroethylene)
Mechanical Strength	Fracture modulus >350MPa
Thermal Stability	Up to 1100°C
Thermal Conductivity	120–160 W/m.K

Optical Properties	Specifications
Spectral Range	200nm-2500nm
Transmittance	>80% (Paired Testing)
Absorption Peaks	None within operational range
Path Length Accuracy	± 0.1 mm
Surface Quality	Polished, optically clear

Chemical Properties	Specifications
Acid Resistance	Excellent (except HF)
Base Resistance	Excellent
Solvent Resistance	Excellent
PTFE Stopper	Inert to most chemicals



SIZE CHART



1050µl Quartz Cuvette with PTFE Stopper

Model	Description	Wave length	Path Length	Volume	Transmittance	Outline Dimension	Slit
AT-BSM-4006	1050µl Quartz Cuvette with PTFE Stopper	200nm-2500 nm	10mm	1050µl	>80% (Paired Testing)	12.5x12.5x 45 mm	3mm



SIZE CHART



1400µl Quartz Cuvette with PTFE Stopper

Model	Description	Wavel ength	PathLe ngth	Volume	Transmitt ance	Outline Dimension	Slit
AT- BSM- 4012	1400µl Quartz Cuvette with PTFE Stopper	200nm- 2500 nm	10mm	1400µl	>80% (Paired Testing)	12.5x12.5x 45 mm	4mm



SIZE CHART



350µl Quartz Cuvette with PTFE Stopper

Model	Description	Wavel ength	PathLe ngth	Volume	Transmitt ance	Outline Dimension	Slit
AT- BSM- 4032	350µl Quartz Cuvette with PTFE Stopper	200nm- 2500 nm	10mm	350µl	>80% (Paired Testing)	12.5x12.5x 53mm	1mm



CUSTOM ENGINEERING SERVICES

Customization Services Our engineering team provides comprehensive customization options to meet your specific requirements:

- Custom path lengths
- Modified internal volumes
- Custom heights and widths
- Special wall thicknesses
- Black wall options for fluorescence
- Frosted surface options
- Alternative stopper materials
- Custom markings or graduations



QUALITY ASSURANCE

Each TOQUARTZ Quartz Cuvette undergoes rigorous quality control testing:

- **Dimensional Verification:** Precision measurement of all critical dimensions
- **Optical Transmission Testing:** Verification of spectral transmission properties
- **Surface Quality Inspection:** Microscopic examination of polished surfaces
- **Paired Performance Testing:** Validation of optical consistency

Contact Information

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TOQUARTZ® - Precision Quartz Solutions for Industry and Research

For technical specifications, custom requirements, or pricing information, please contact our sales team.