



# TOQUARTZ

## Product Catalog

# TOQUARTZ® Quartz UV Cuvette for Automated Biochemical Analyzer

Integrated Engineering & Agile Production  
**for Demanded Specifications**



# TOQUARTZ® QUARTZ UV CUVETTE FOR AUTOMATED BIOCHEMICAL ANALYZER

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 UV Cuvette for Automated Biochemical Analyzer with fast delivery and consistent quality.



## Product Overview

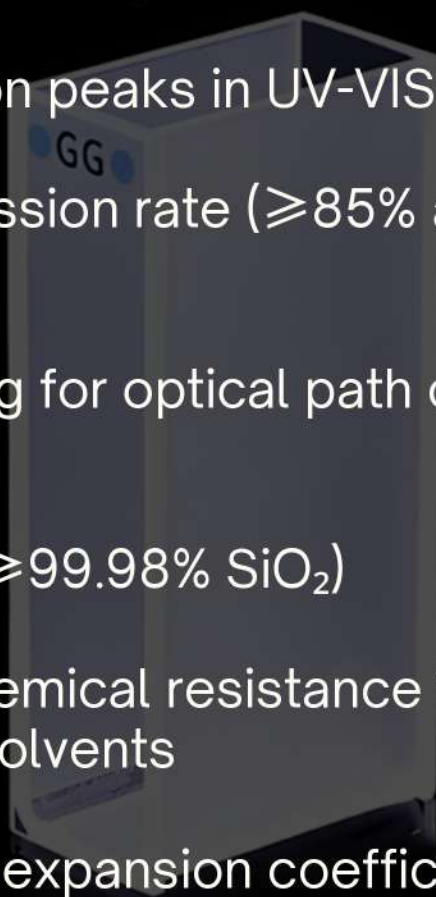
**TOQUARTZ® High-precision quartz cuvettes specifically designed for automated biochemical analyzers and clinical chemistry systems. Made from 99.98% pure fused quartz with excellent UV transmission properties (200-2500nm), ensuring accurate spectrophotometric analysis of blood, serum, and other biological samples.**

# TOQUARTZ® QUARTZ UV CUVETTE FOR AUTOMATED BIOCHEMICAL ANALYZER



## Key Features

- Wide spectral range (200-2500nm)
- No absorption peaks in UV-VIS range
- High transmission rate ( $\geq 85\%$  at 190-250nm)
- Paired testing for optical path consistency ( $>80\%$ )
- High purity ( $\geq 99.98\% \text{ SiO}_2$ )
- Excellent chemical resistance to acids, bases, and solvents
- Low thermal expansion coefficient ( $5.5 \times 10^{-7} / ^\circ\text{C}$ )
- High temperature resistance (up to  $1100^\circ\text{C}$ )

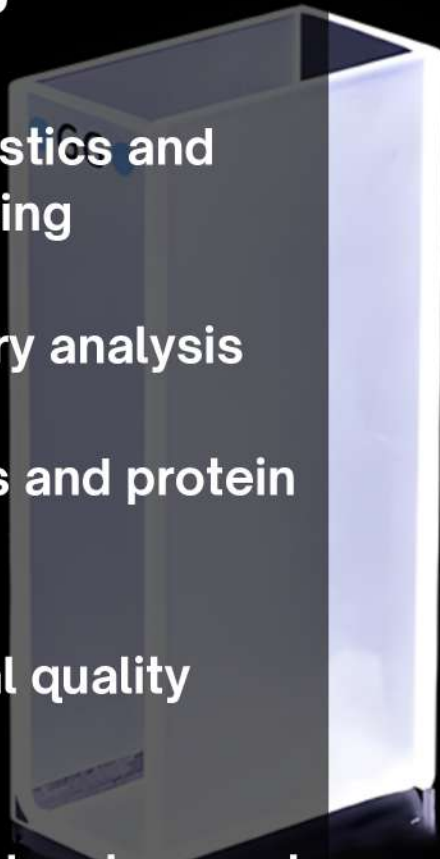


# TOQUARTZ® QUARTZ UV CUVETTE FOR AUTOMATED BIOCHEMICAL ANALYZER



## Applications

- Clinical diagnostics and laboratory testing
- Blood chemistry analysis
- Enzyme assays and protein quantification
- Pharmaceutical quality control
- Research and development laboratories







# TECHNICAL SPECIFICATIONS

## Chemical Properties

- **Chemical Resistance:** Resistant to acids, bases, salts
- **Thermal Expansion:**  $5.5 \times 10^{-7}/^{\circ}\text{C}$
- **Max Operating Temperature:** 1100°C

## Optical Properties

- **Wavelength Range:** 200nm - 2500nm
- **UV Transmission (200nm):**  $\geq 80\%$
- **Surface Quality:** Optical grade, no bubbles/scratches
- **Paired Matching:**  $> 80\%$  transmission matching



# SIZE CHART



Quartz Cuvette for Automated Biochemical Analyzer

Model	Description	Wavelength	Volume	Wall Thickness	Thermostability	OD.xHeight
AT-BSM-074	Quartz Cuvette for Automated Biochemical Analyzer	200nm-2500nm	6mm	0.54ml	>80% (Paired Testing)	7x8x27mm



## CUSTOMIZATION OPTIONS

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

- Custom dimensions and volumes
- Special surface treatments
- Modified optical paths
- Proprietary form factors for specific analyzers



# 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

Email: [info@toquartz.com](mailto:info@toquartz.com)

Website: [www.toquartz.com](http://www.toquartz.com)

TOQUARTZ® - Precision Quartz Solutions for Industry and Research

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