



**TOQUARTZ**  
**Tech Specifications**

# **TOQUARTZ® Wide Mouth Quartz Reagent Bottle Product Catalog**

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



# TOQUARTZ® WIDE MOUTH QUARTZ REAGENT BOTTLE

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® Wide Mouth Quartz Reagent Bottle with fast delivery and consistent quality.



## Product Overview

TOQUARTZ® wide mouth quartz reagent bottles are manufactured from high-purity quartz glass ( $\geq 99.995\% \text{SiO}_2$ ), offering exceptional thermal stability, chemical resistance, and optical clarity. Designed for laboratory and industrial applications where material purity and performance are critical.



# TOQUARTZ® WIDE MOUTH QUARTZ REAGENT BOTTLE



## Key Features

- **High Temperature Resistance:** Withstands temperatures up to 1200°C
- **Superior Chemical Resistance:** Exceptional stability with most acids, bases, and corrosive chemicals
- **Optical Clarity:** Excellent transparency across visible and UV spectrum
- **Wide Mouth Design:** Facilitates easy filling, sampling, and cleaning
- **Thermal Shock Resistance:** Low coefficient of thermal expansion ( $5.5 \times 10^{-7} / ^\circ\text{C}$ )
- **Ultra-High Purity:** Manufactured from 99.995%  $\text{SiO}_2$  for minimal contamination

# TOQUARTZ® WIDE MOUTH QUARTZ REAGENT BOTTLE



## Applications

- High-purity chemical storage
- High-temperature sample processing
- Analytical chemistry and trace element analysis
- Materials science research
- Photochemical reactions
- Environmental sample collection and storage





# TECHNICAL SPECIFICATIONS

Property	Value	Notes
Material Composition	$\geq 99.995\% \text{ SiO}_2$	High-purity synthetic quartz
Density	2.2 g/cm <sup>3</sup>	At 20°C
Maximum Working Temperature	1200°C	Short-term exposure
Thermal Expansion Coefficient	$5.5 \times 10^{-7} / ^\circ\text{C}$	Between 20°C and 300°C
Thermal Conductivity	1.4 W/m·K	At 20°C
Acid Resistance	Excellent	Except hydrofluoric acid (HF)
Alkali Resistance	Good	Stable in most alkaline solutions
Water Absorption	0%	Non-porous surface
Gas Permeability	Very Low	Suitable for inert gas environments
Hydrolytic Resistance	Class 1 (USP)	Meets pharmaceutical-grade standards





# STANDARD SIZES

Model	Capacity (ml)	Body Diameter (mm)	Height (mm)	Mouth Diameter (mm)
AT-SJP-2001	30	40	76	18
AT-SJP-2002	60	46	85	22
AT-SJP-2003	125	57	110	24
AT-SJP-2004	250	70	135	27
AT-SJP-2005	500	85	172	33
AT-SJP-2006	1000	106	202	38
AT-SJP-2007	30	40	72	25
AT-SJP-2008	60	46	80	30
AT-SJP-2009	125	57	108	38
AT-SJP-2010	250	70	130	50
AT-SJP-2011	500	85	165	58
AT-SJP-2012	1000	106	188	65



## CUSTOMIZATION OPTIONS

**TOQUARTZ offers comprehensive customization services for wide mouth quartz glass reagent bottles:**

- Custom bottle capacities from 30ml to 1000ml
- Specialized neck diameters and thread configurations
- Modified height-to-diameter ratios
- Wall thickness optimization
- Addition of graduation markings
- Surface treatments for specific optical or chemical properties



# ABOUT TOQUARTZ®

TOQUARTZ® is a specialized manufacturer of high-quality quartz glass products for industrial, laboratory, and optical applications. Our factory-direct approach eliminates intermediaries, providing cost-effective solutions with responsive technical support. We welcome small batch orders and offer 24-hour shipping for standard items.

## Contact Information

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