



## Volumetric flasks

Precisely manufactured as per international standards

Made from 3.3 Low Expansion Borosilicate Glass



Borosil Scientific's volumetric flasks are laboratory glassware designed for precise dilutions and the preparation of standard solutions. They feature a flat bottom for stability, a long narrow or wide neck for easy handling, and a single etched calibration mark for accurate volume measurement.

# Volumetric Flask

Volumetric flasks are laboratory glassware designed to hold a precise volume at a specified temperature and indicate the nominal volume, tolerance, precision class, and relevant manufacturing standards.

**BOROSIL Scientific's** volumetric flasks are manufactured in a wide range of sizes, capable of containing volumes from 1 ml to 5000 ml.

For analyses that demand high precision, the selection of the appropriate instruments is critical. When high-precision analysis is required, accurate instruments deliver reliable results. Even the most sophisticated automated instruments can achieve high precision only when the volumetric glassware used for sample preparation is accurate. Volumetric flasks are ideal for preparing standard solutions by dissolving a known mass of solute and diluting it to a known volume.



- Individually calibrated using an automatic calibration process



- Stringent robust quality control across every stage which reduces possible deviations from the nominal volume



- Volumetric flasks are supplied with plastic or solid glass stoppers



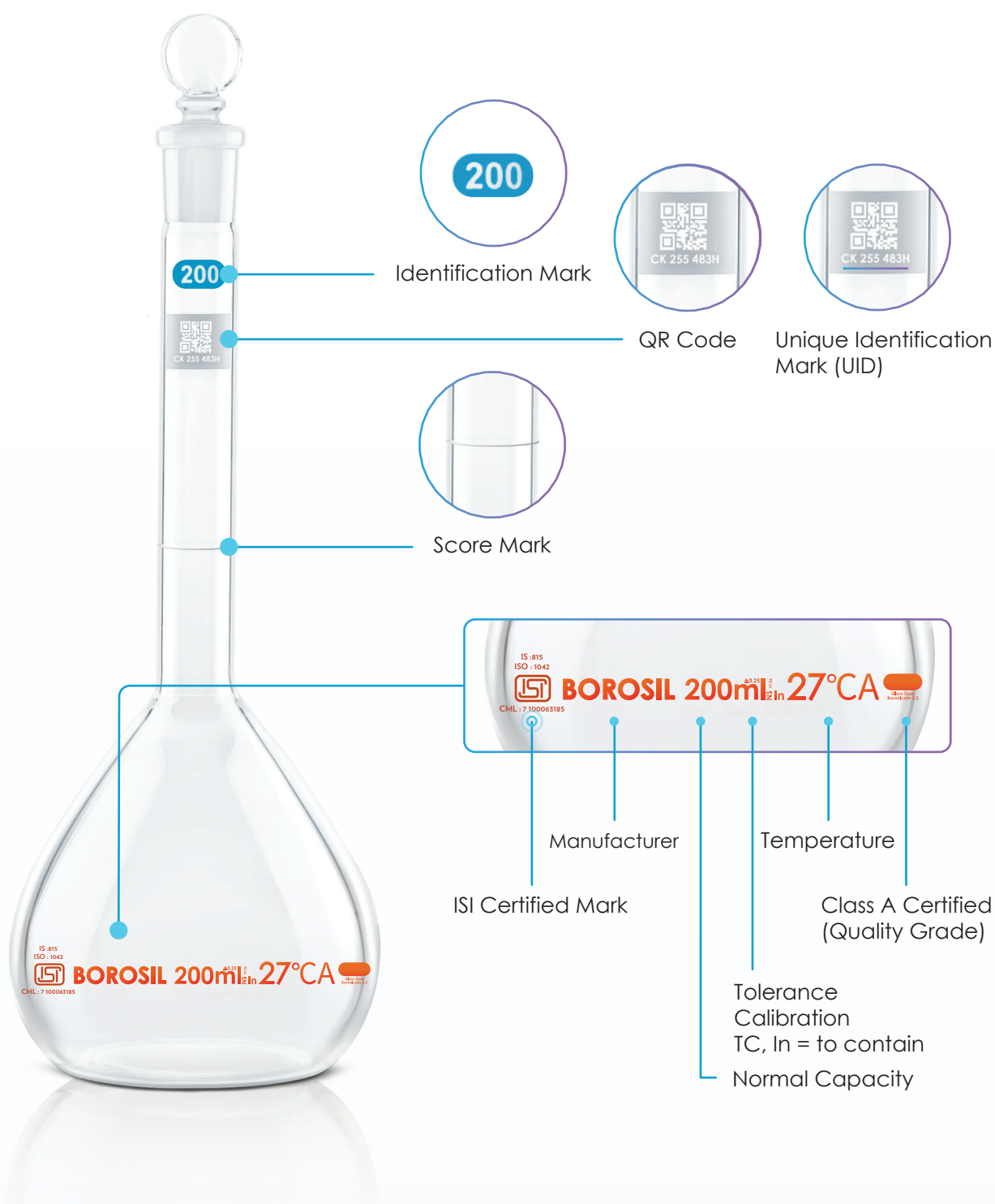
- Real-time lower meniscus image



- Supplied with an individual certificate which can be easily downloaded from our website and mobile application

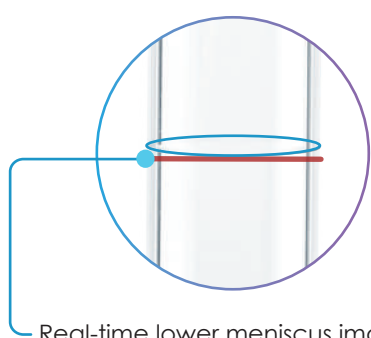


BOROSIL Scientific's Volumetric Flasks are designed to give the best combination of thermal shock resistance, physical strength and resistance to chemical attack. They are made to withstand the demands of the modern laboratory and are particularly suitable for all glass apparatus assemblies.

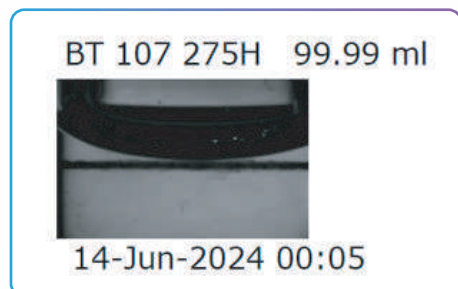


## Calibration

- Every volumetric flask is calibrated on a fully automatic, computer-controlled calibration machine, eliminating manual errors in meniscus reading and thereby ensuring more accurate volume measurement.
- Every volumetric flask is individually calibrated, provided with a unique identification number (UID), and supplied with an individual certificate.



Real-time lower meniscus image



Sophisticated calibration equipment

Borosil Scientific is the only company providing a real-time lower meniscus detection using 10X cameras.

UID number and actual certified volume on calibration certificate

## Printing

- Amber volumetric flasks are printed with white ceramic enamel.
- Printing is carried out using advanced printing technology and high-quality organic enamels and inks to ensure superior printing quality.



# Benefits of QR-coded glassware

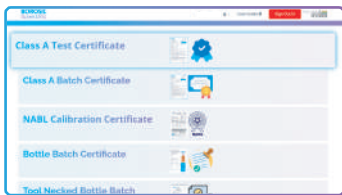
- No need to file hard copies of calibration certificates for extended periods.
- Certificates can be downloaded by scanning the glassware and printed as required.
- Easy downloading of certificates as a consolidated list of scanned glassware in Excel format.
- Saves time and reduces the effort involved in maintaining certificates.
- Reduced paper usage and better for the environment.
- Audit readiness



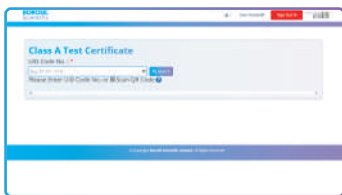
# How to download a Calibration Certificate

## Borosil Scientific's Website

- Step 1  
Log on to [www.borosilscientific.com](http://www.borosilscientific.com) and access the product certificate portal.

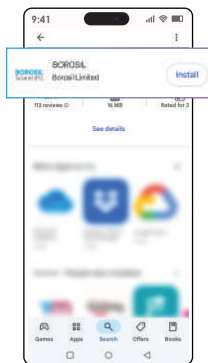


- Step 2  
Scan the QR code on the volumetric flask using a barcode scanner.



## Borosil Scientific's - Mobile App

- Step 1  
Download the Borosil app from the Android Play Store or iOS App Store.
- Step 2  
Choose the class category.
- Step 3  
Scan the QR code on the volumetric flask using your mobile device.



Website Code



# Types of Volumetric flask



ISO Standards



ISO/USP Standards



ASTM Standards



ISO / USP Standards  
With widemouth



Scan for  
Product Details



**NABL Certified**



**Class B**

Penny head  
Glass Stoppers



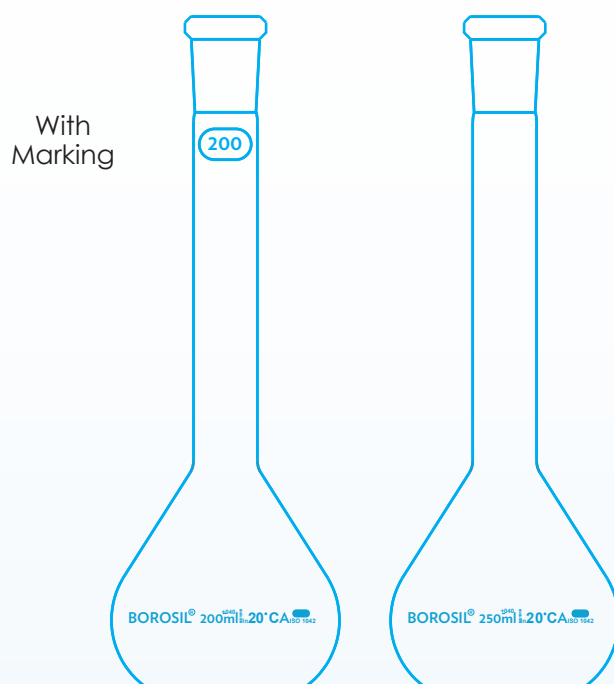
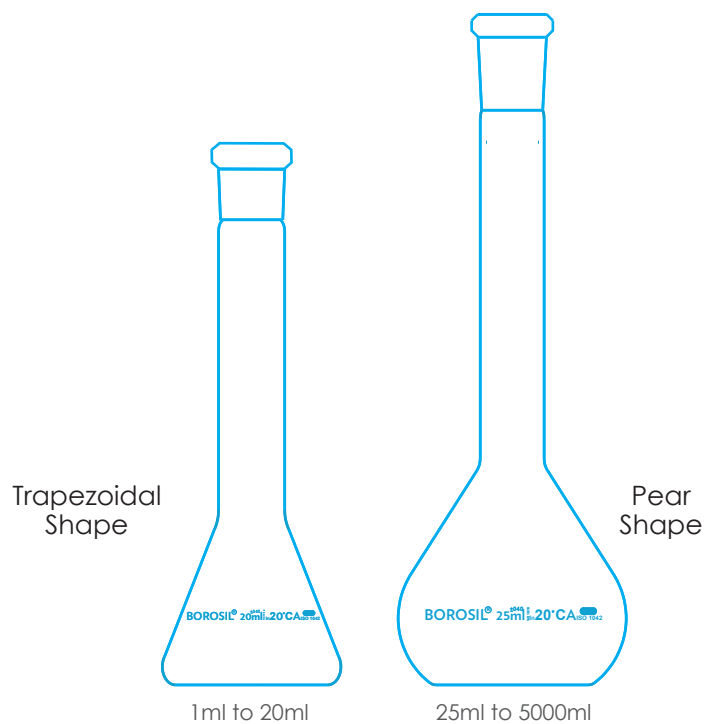
Flat head  
Glass Stopper



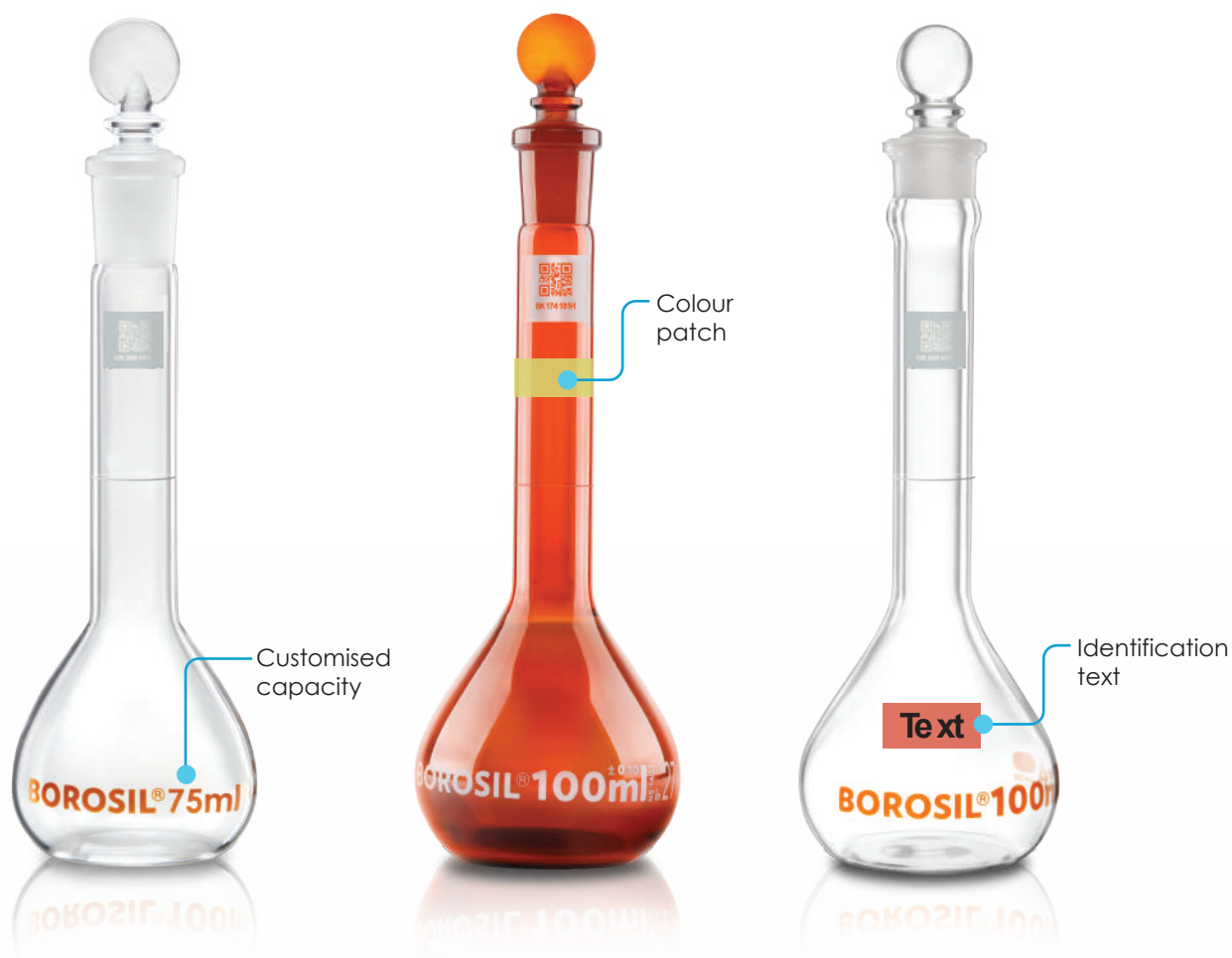
Polypropylene (PP)  
Stoppers



## For easy identification



# Customization



**As per your requirement  
we can customize our Flasks**

# Our Volumetric flask with ISI mark (For Indian Market)

## What is ISI Mark?

The ISI mark is a certification mark issued by the Bureau of Indian Standards (BIS), the national standards body of India. It signifies that a product conforms to the specifications and quality standards set by BIS.



## The ISI mark ensures that all the products:



**Safe**



**Reliable**



**Trust**



- Laboratory glassware is crucial to accurate and reliable scientific results. To ensure safety and quality, the Bureau of Indian Standards (BIS) mandates certification for the various types of the laboratory glassware used in the chemical analysis, titration, and the precise measurements.



- We offer high-quality, ISI-marked glassware trusted for its safety, precision, and durability ideal for the students, scientists, and hobbyists alike.



- At Borosil Scientific Limited, we prioritize quality. Our ISI-marked lab glassware meets the strict national standards, ensuring the high performance, safety, and reliability through rigorous testing.

# NABL Certified Glasswares

NABL Accreditation Certificate



NABL Product Certificate



- Product details
- Calibration details
- Calibration equipments traceability
- Statement for recalibration





CIN : U74999MH1991PLC061851

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Website



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