

# Certificate of Conformity



| Article no. | Retrace Code/Batch/Lot no. | Date of Manufacture |
|-------------|----------------------------|---------------------|
| 3201/10     | 23.02                      | 2023-8-29           |

## Article description

Pyrex® Measuring Cylinder, Class A, 100 mL

## PYREX® Batch Certificate

### Volumetric Cylinder Class A

| Nominal Capacity | Allowed Capacity Tolerance | Mean Value | Standard Deviation |
|------------------|----------------------------|------------|--------------------|
| 100 ml           | +/- 0,50 ml                | 100,44 ml  | 0,05 ml            |

The batch code is printed on the side of the cylinder.

Cylinders from this batch were tested using equipment traceable to National Measurement Standards and were found to comply with the requirements of ISO 4788 Class A.

PYREX® is a borosilicate glass type 3.3, as specified in the International Standard ISO 3585 with the following typical composition by weight:

| SiO <sub>2</sub> | B <sub>2</sub> O <sub>3</sub> | Na <sub>2</sub> O/K <sub>2</sub> O | Al <sub>2</sub> O <sub>3</sub> |
|------------------|-------------------------------|------------------------------------|--------------------------------|
| 81 %             | 13 %                          | 4 %                                | 2 %                            |

PYREX® is notable for its very high thermal shock resistance and has the following chemical properties and physical properties:

| Coefficient of expansion            | Acid resistance    | Hydrolytic resistance       | Alkalis resistance |
|-------------------------------------|--------------------|-----------------------------|--------------------|
| $3.3 \times 10^{-6} \text{ K}^{-1}$ | Class 1 (ISO 1776) | Class 1 (ISO 719 / ISO 720) | Class 2 (ISO 695)  |

Due to its high hydrolytic resistance PYREX® is classed as Glass Type 1.

This complies with the relevant requirements of the current US and European pharmacopoeia (USP and Ph.Eur.).

PYREX® is certified for use with food applications.

Certified by:

Kevin Marshall  
Quality Manager

Date: 2024-05-02