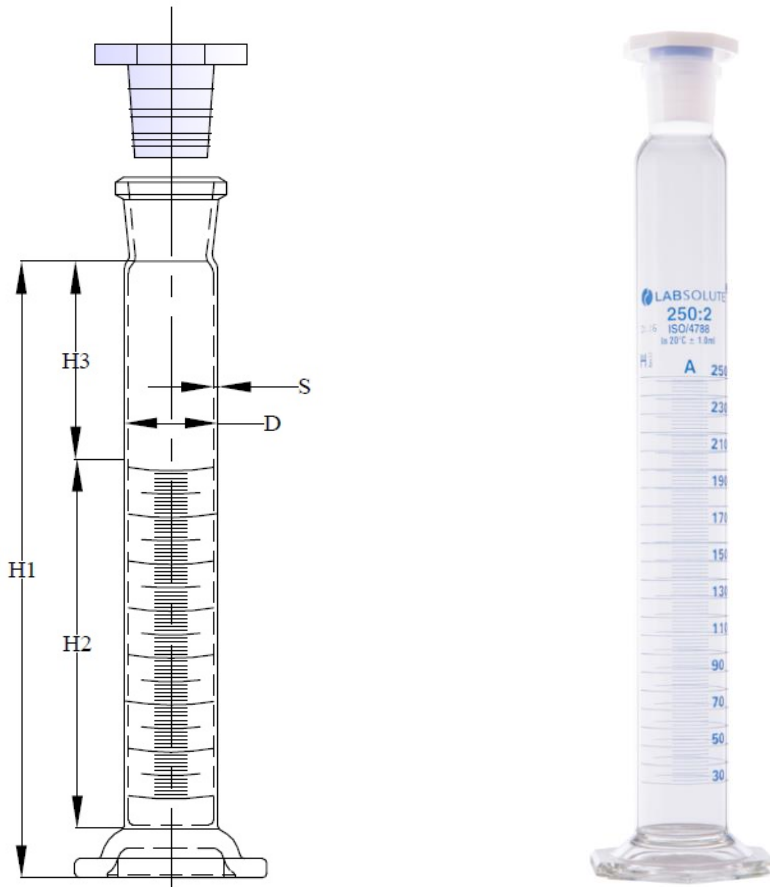


## LABSOLUTE<sup>®</sup> MIXING CYLINDER, CLASS A with PP stopper

### Properties:

- Made of borosilicate glass 3.3
- According to DIN EN ISO 4788
- Blue graduation
- Calibrated to „ln“ (20 °C)
- Solid hexagonal glass stand
- Dishwasher proof and autoclavable at 121 °C
- Very high resistance against a wide range of chemicals
- Batch-specific certificate are available on request

### Technical drawing / picture:



Th. Geyer GmbH & Co. KG

**Physical properties of borosilicate glass 3.3 acc. to ISO 3585:**

Property	Value
Linear coefficient of thermal expansion $\alpha$ (20°C;300°C) acc. to ISO 7991	$3.3 \cdot 10^{-6} \text{ K}^{-1}$
Transformation temperature $T_g$	525 °C
Permitted max. working temperature	500 °C
Density $\rho$ (20 °C)	2.23 g/cm <sup>3</sup>
Coefficient of thermal conductivity $\lambda$ (20 to 100 °C)	1.2 Wm <sup>-1</sup> K <sup>-1</sup>
Hardness (acc. to Mohs)	6°
Refractive index $n_D$ ( $\lambda = 587.6 \text{ nm}$ )	1.473

**Value table:**

Item no.	V ml	Division ml	Error ml	NS	D mm	H1 mm	H2 mm	H3 mm
7 691 120	10	0.1	± 0.10	10/19	16	137	65	20
7 691 121	25	0.2	± 0.25	14/23	20	167	85	25
7 691 122	50	1.0	± 0.5	19/26	25	195	110	30
7 691 123	100	1.0	± 0.5	24/29	32	257	145	35
7 691 124	250	2.0	± 1.0	29/32	42	330	200	40
7 691 125	500	5.0	± 2.5	34/35	55	385	250	45
7 691 126	1,000	10.0	± 5	45/40	65	460	310	50
7 691 127	2,000	20.0	± 10	45/40	80	565	380	50

**Description of the abbreviations in the value table:**

Item no.	Item number
V	Nominal volume of the mixing cylinder
Division	Smallest, readable, partial volume
Error	Permitted tolerance for class A acc. to standard
NS	Nominal size of the ground joint
D	Max. outer diameter of the mixing cylinder
H1	Max. height of the mixing cylinder without ground joint and stopper
H2	Height of the scale printed on the mixing cylinder
H3	Distance between upper end of the scale and ground joint

**Revision 1.0, Stand: 04.09.2017**

**Th. Geyer GmbH & Co. KG**