

PRODUCT DATA SHEET



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2070/500

Simax Reagent Bottle, 500ml, GL45 Thread, Borosilicate 3.3 Glass.



Cap shown in image is not included

These bottles are typically used for storage and transfer of photosensitive reagents/substances. They are resistant to chemicals including strong acids.

Conforms to **ISO 4796-1 & ISO 3585**

Specifications

Capacity	500 ml
Diameter	86 mm
Height	181 mm
Neck	GL45 screw thread
Pack Size	10
Material	Borosilicate 3.3 Glass
Maximum working temperature	500°C (Autoclavable)

Chemical Composition

(main components in percentage by weight)

SiO ²	B ² O ³	Na ² O + K ² O	Al ² O ³
80.6%	13%	4%	2.4%

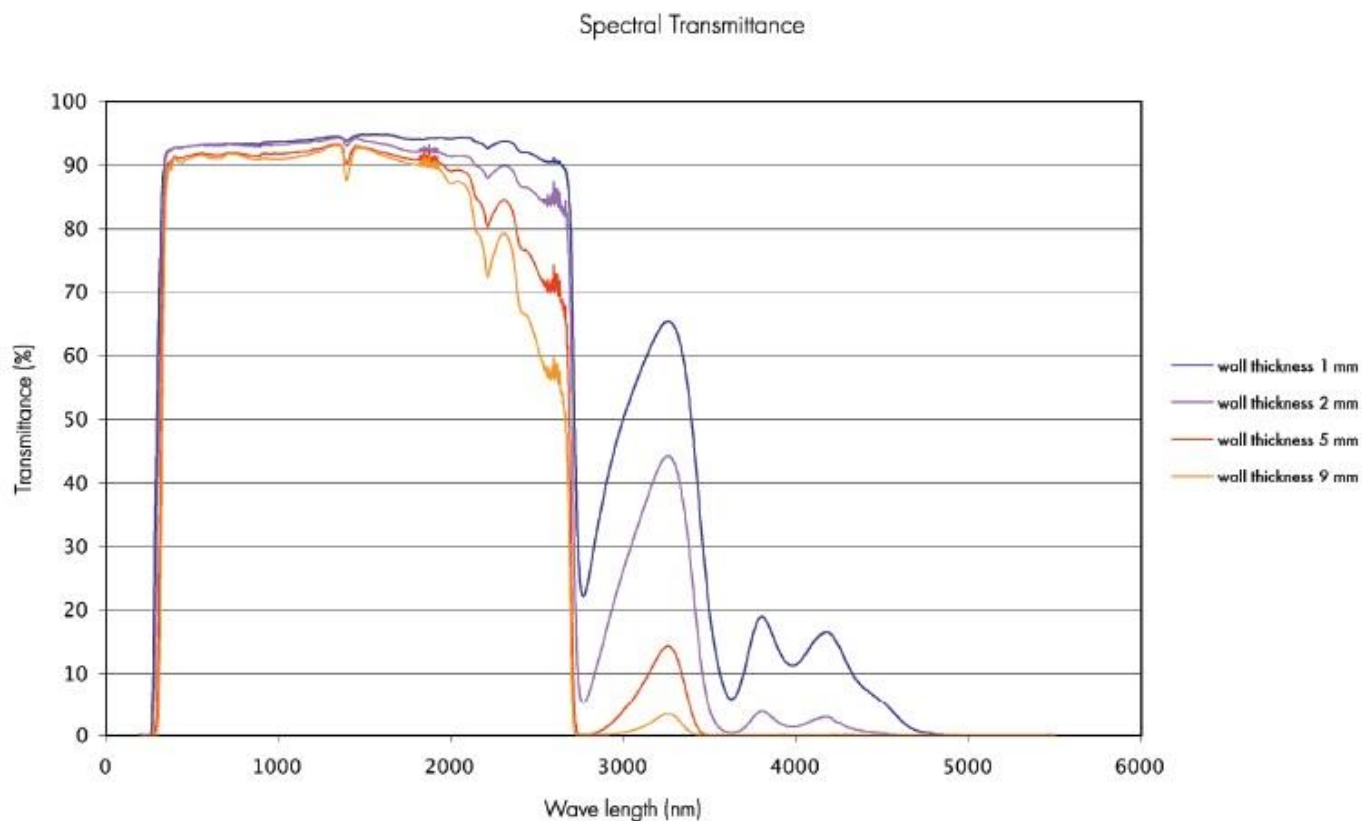
Resistance Against

Water at 98 °C	ISO 719	HGB 1
Water at 121 °C	ISO 720	HGA 1
Acids	ISO 1776	1
Effect of water solution of alkali mixture	ISO 695	A2 or better

Physical Data

Mean linear and thermal coefficient of expansion α (20°C; 300°C) according to ISO 7991	$3.3 \times 10^{-6} \text{ K}^{-1}$
Transformation temperature Tg.	525°C
Highest short-term admissible working range	500°C
Density ρ at 20°	2.23 g. cm^{-3}
Modulus of elasticity E (Young modulus)	$64 \times 10^3 \text{ MPa}$
Poisson ratio μ	0.20
Thermal conductivity λ (20 to 100°C)	$1.2 \text{ W.m}^{-1} . \text{ K}^{-1}$

Light Transmittance



If you require any more information on this product, please contact our customer service team.