Product ID: 15 | Category: PC

Laboratory Chemical Container

High-impact PC bottle, chemical-resistant, for demanding lab environments.

General Information

MATERIAL
PC (Polycarbonate)

WEIGHT (1L)
180-250g

TEMPERATURE RANGE
-100°C to 135°C

NECK FINISH
GL45 Thread

TRANSPARENCY
89-91%

RECYCLING CODE
7 (PC)

AUTOCLAVABLE
Yes (121°C, 20 min)

CHEMICAL RESISTANCE
Excellent

Available Specifications

Volume	Available Colors	Price Range (USD)
500ml	Clear, Blue, Green	$4.00 - $4.05
1L	Clear, Blue, Green	$5.00 - $5.05
1.5L	Clear, Blue, Green	$6.50 - $6.55
2L	Clear, Blue, Green	$9.00 - $9.05

Key Features

- ✓ Excellent chemical resistance to acids, bases, and solvents
- ✓ High impact strength (250x stronger than glass)
- ✓ Autoclavable for sterilization (121°C, 20 minutes)
- ✓ Wide temperature range for laboratory use
- ✓ Graduation markings for accurate measurement
- ✓ Leak-proof screw cap with PTFE seal
- ✓ Crystal clear for content visibility

Applications

Ideal for laboratory chemicals, reagents, acids, bases, solvents, buffers, and sterile solutions. Suitable for pharmaceutical, biotech, research, and industrial laboratories.

Technical Specifications

Specification	Value
Density	1.20 g/cm³
Impact Resistance	250x glass strength
Heat Resistance	Up to 135°C
Chemical Resistance	Excellent
Wall Thickness	2.0-3.0mm
Sterilization	Steam autoclave compatible

Chemical Compatibility Chart

Chemical Type	Compatibility	Notes
Acids (dilute)	Excellent	Up to 50% concentration
Bases (dilute)	Excellent	Up to 40% concentration
Alcohols	Good	Most common alcohols
Solvents	Good to Excellent	Varies by solvent type
Saline Solutions	Excellent	All concentrations
Buffers	Excellent	pH 2-12 range

Quality Standards & Certifications

ISO 9001:2015
FDA Approved
USP Class VI
REACH Compliant
RoHS Compliant
UN Approved

Warning: Always verify chemical compatibility for specific applications. Contact technical support for detailed compatibility data.

Sterilization & Cleaning

- ✓ Autoclavable: 121°C, 20 minutes, 15 psi
- ✓ Dry heat sterilization: Up to 135°C
- ✓ Chemical sterilization compatible
- ✓ Wash with laboratory-grade detergents
- ✓ Rinse with deionized water
- ✓ Dry in clean environment

Storage & Handling

- ✓ Store in cool, dry, well-ventilated area
- ✓ Keep away from incompatible materials
- ✓ Use appropriate PPE when handling
- ✓ Follow laboratory safety protocols
- ✓ Label containers clearly
- ✓ Store in chemical-resistant cabinets

Environmental Information

RECYCLABILITY

Yes (Check local programs)

REUSABILITY

Multiple sterilization cycles

RECYCLING CODE

7 (PC)

LIFE CYCLE

3-5 years laboratory use