

Bottles

Bottles have multiple uses. As the Aspirator, Reagent and Solution Bottles are not used for direct heating purposes, they are designed with heavier wall thickness, making them mechanically stronger to withstand wet or dry sterilisation. The high chemical durability of the glass ensures that most reagents can be stored in these bottles for long durations in almost the same condition. Plain Neck Solution Bottles are designed to have a uniform rubber stopper fit. Roux Bottles and Milk Dilution Bottles have flat surfaces and are widely used for culture growth.

The outstanding **Borosil**[®] quality provides capabilities for a wider range of functions, from long-term storage to the most demanding applications in the pharmaceutical industry.



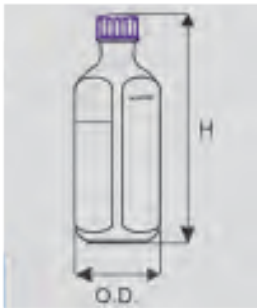


1370 - Bottles, Milk Dilution, Graduated, Screw Cap & Liner

- The screw caps and liner can withstand repeated autoclaving
- These glass bottles meet the requirements for Milk Dilution Bottles stated in the Standard Methods for the Examination of Dairy Products
- Square in shape

Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck I. D. mm	Quantity Per Case
1370019	160	150	19	10

Similar to No. 1367 but with a graduation mark at 99 ml capacity



1500 - Bottles Reagent , Plain Narrow Mouth, Graduated with Interchangeable Flat Head Stopper

- Complies with IS 1388 (Part II), ISO / DIN 4796 (Part II)
- These narrow mouth reagent storage bottles have a sturdy ground neck
- All sizes have a durable matt-finished enamelled area for marking
- These bottles are mechanically strong and chemical resistant
- Supplied with solid glass stopper

Product Code	Capacity ml	Approx O.D. x Height* mm	Approx Neck I. D. mm	Quantity Per Case
1500013	60	45 x 90	14 / 23	40
1500016	100	56 x 100	19 / 26	10
1500017	125	55 x 120	19 / 26	50
1500021	250	70 x 145	19 / 26	10
1500024	500	86 x 177	24 / 29	10
1500029	1000	101 x 225	29 / 32	10
1500030	2000	136 x 260	34 / 35	10

*Height indicated is of Bottle only





Borosil Reagent Bottle

Borosil Laboratory bottles are chemically resistant and stable. When fitted with a plastic pouring ring dripping can be totally eliminated. As there is only one size of screw thread for all bottles from 100 ml onwards, the screw caps and pouring rings are fully interchangeable. The bottles, pouring rings and caps are autoclavable and sterilizable.

Properties:

Light protection :

- Amber bottle upto 500 ml

Safe closure ensures storage of products as

- Dairy products
- Serums are kept sterile

High resistance to thermal shock

HANDLING :

Sterilization :

Bottles can be steam sterilized after washing. Following are recommendation and guidelines.

- Soiled bottle must be clean first, otherwise microorganism cannot be effectively destroyed and chemicals adhering to surface can damage it as a result of high temperature involved.

- To avoid a buildup of pressure the screw cap should be left loose on the bottle neck (one turn maximum). It should not be closed tight as the pressure then cannot be balanced and consequent in pressure can result in bottle bursting.
- Ensure that saturated steam is used and that it has unhindered access to all contaminated places. This is the only way to achieve effective steam sterilization.

Thawing frozen substances :

The frozen material can be thawed by immersing the bottle in liquid bath taking care that the temperature differences does not exceed 100 degree C. this will ensure that the frozen material heated uniformly from all sides without damaging the bottle. It can however also be thawed slowly so that the surface melts first, allowing the material to expand.

Freezing substances

Recommendation: When freezing, always place the bottles at an angle approx. 45°C and do not fill to more than ¾ capacity (to increase surface area). Temperature limit - 40°C as the plastic caps and pouring ring do not withstand lower temperatures.

1501 - Bottles, Reagent, Wide Mouth, Graduated With Screw Cap And Pouring Ring

- Complies with IS 1388 (Part I), ISO / DIN 4796 (Part I)
- These bottles are mechanically strong and chemical resistant
- Designed with plastic pouring ring for drip-free operation
- The screw caps and pouring ring are made of PP
- The bottles, screw caps and pouring rings can be sterilized and autoclavable
- Printed with a Retrace Code
- 100 ml to 20000 ml Bottles have uniform GL 45 thread

Product Code	Capacity ml	Approx O.D. x Height* mm	Approx Neck I. D. mm	Quantity Per Case
1501009	25 [#]	36 x 70	GL 25	20
1501012	50 [#]	46 x 87	GL 32	20
1501016	100	56 x 100	GL 45	10
NEW 1501018	150 ^{**}	60 x 120	GL 45	10
1501021	250	70 x 138	GL 45	10
1501024	500	86 x 176	GL 45	10
1501029	1000	101 x 225	GL 45	10
1501030	2000	136 x 260	GL 45	10
1501031	3000 ^{**}	158 x 295	GL 45	2
1501033	5000 ^{***}	183 x 323	GL 45	2
1501038	10000 ^{***}	235 x 405	GL 45	1
1501040	20000 ^{***}	296 x 500	GL 45	1

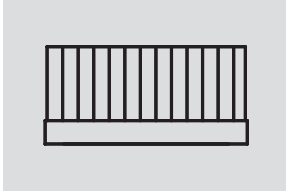
*Height indicated is of Bottle only

Without Pouring rings

**Not covered in any standard

***As per BOROSIL dimensions

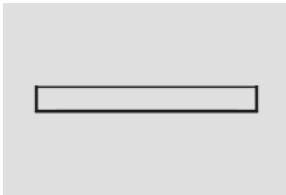




1503 - Screw Cap, with Pouring ring for Screw Cap Bottles

- Caps and pouring rings are made of PP (Polypropylene) and are autoclavable upto 140°C

Product Code	Colour Description	Neck Specification	Quantity Per Case
1503C01	Blue	GL 45	10
1503C02	Orange	GL 45	10
1503C03	Yellow	GL 45	10
1503C04	Green	GL 45	10
1503C05	Grey	GL 45	10



1504 - Pouring Ring, Blue Colour

- Pouring rings are made of PP (Polypropylene) and are autoclavable

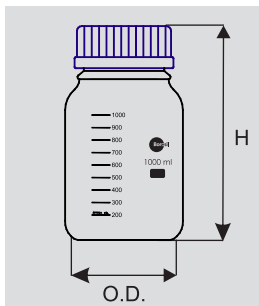
Product Code	Colour Specification	Neck Specification	Quantity Per Case
1504R01	Blue	GL - 45	10



1506 - Bottles Reagent, Square With DIN Thread, Graduated, With PP Screw Cap (GL 80) And PP Pouring Ring

Product Code	Capacity ml	Approx W x B x H mm	Neck Specification	Quantity Per Case
1506024	500	94 x 94 x 141	GL-80	10
1506029	1000	105 x 105 x 187	GL-80	10
1506030	2000	115 x 115 x 260	GL-80	10
1506033	5000	160 x 160 x 357	GL-80	1

Amber colour bottles are available on request.





1509 - Bottles, Reagent, Amber, Narrow Mouth, Graduated, With Interchangeable Flat Head Stopper

- Complies with IS 1388 (Part II), ISO / DIN 4796 (Part II)
- These narrow mouth reagent storage bottles have a sturdy ground neck
- All sizes have a durable matt-finished enamelled area for marking
- These bottles are mechanically strong and chemical resistant
- The uniform Amber colour is highly durable and has high chemical resistance
- Properties within the bottle remain unchanged, as the colour is applied only on the external surface
- Protects media from light radiation with a wave-length between 300 nm and 500 nm
- Ideal for use with light-sensitive media and for the long-term storage of substances
- Supplied with solid glass stopper

Product Code	Capacity ml	Approx O.D. x Height* mm	Size Interchangeable Stopper	Quantity Per Case
1509013	60	45 x 90	14 / 23	20
1509016	100	56 x 100	19 / 26	10
1509017	125	55 x 120	19 / 26	20
1509021	250	70 x 145	19 / 26	10
1509024	500	86 x 177	24 / 29	10
1509029	1000	101 x 225	29 / 32	5
1509030	2000	136 x 260	34 / 35	5

*Height indicated is of Bottle only
Similar in design to cat no. 1500



1519 - Bottles, Reagent, Amber, Wide Mouth, Graduated, With Screw Cap And Pouring Ring

- Complies with IS 1388 (Part I), ISO / DIN 4796 (Part I)
- These bottles are mechanically strong and chemical resistant
- Designed with plastic pouring ring for drip-free operation
- The screw caps and pouring are made of PP and autoclavable
- Printed with a Retrace Code
- The uniform Amber colour is highly durable and has high chemical resistance
- Properties within the bottle remain unchanged, as the colour is applied only on the external surface
- Ideal for use with light-sensitive media and for long-term storage of substances
- 100 ml to 20000 ml have uniform GL 45 thread

Product Code	Capacity ml	Approx O.D. x Height* mm	Neck Specification	Quantity Per Case
1519009	25 [#]	36 x 70	GL 25	20
1519012	50 [#]	46 x 87	GL 32	20
1519016	100	56 x 100	GL 45	10
1519021	250	70 x 138	GL 45	10
1519024	500	86 x 176	GL 45	10
1519029	1000	101 x 225	GL 45	10
1519030	2000	136 x 260	GL 45	10
1519031	3000 ^{**}	158 X 295	GL 45	2
1519033	5000 ^{***}	183 x 323	GL 45	2
1519038	10000 ^{***}	235 x 405	GL 45	1
1519040	20000 ^{***}	299 x 500	GL 45	1

*Height indicated is of Bottle only
Without Pouring rings
**Not covered in any standard
***As per BOROSIL dimensions

