



**Bottles only for Gas Washing Bottle,
Made from Heat Resistant, Low Expansion Borosilicate Glass, RIVIERA**

Cat No.	Capacity ml	Approx. O. D. x Ht. mm	Qty. Per Pack Pcs	Maximum Price Rs/Pc
74214 25	125	50 x 165	10	910.00
74214 36	250	60 x 190	10	1006.00
74214 44	500	70 x 245	10	1234.00

LABORATORY BOTTLES, DURAN

DURAN 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 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 bottles upto 500 nm
- Plastic coated bottles upto 380 nm useable as safe storage for chemicals

Safe closure ensures storage of products as

- Dairy products
- Serums are kept sterile

High resistance to thermal shock

HANDLING :

Freezing substances

Recommendation : When freezing, always place the bottles at an angle (approx. 45°) and do not fill to more than 3/4 capacity (to increase surface area). Temperature limit -40°C as the plastic caps and pouring rings do not withstand lower temperatures.

Thawing frozen substances

The frozen material can be thawed by immersing the bottle in a liquid bath taking care that the temperature difference does not exceed 100°C. This will ensure that the frozen material is 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.

Sterilization

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

Steam sterilization refers to "the destruction or irreversible inactivation of all microorganisms capable of reproduction" (DIN 58900, pt1, 1986) by

means of "saturated steam at a minimum of 120°C and 2 bar" (DIN 58946, pt1, 1987). The minimum effective application time (destruction time + safety factor) is indicated in DIN 58946, pt2 as a duration of 20 minutes at a sterilization temperature of 121°C.

The following should be noted with respect to preparation for sterilization

- Soiled bottles must be cleaned first, otherwise microorganisms cannot be effectively destroyed and chemicals adhering to the surface can damage it as a result of high temperature involved.
- To avoid a build up 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 the consequent difference in pressure can result in the 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.

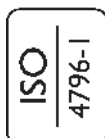
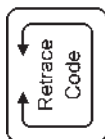
LABORATORY BOTTLES WITH PLASTIC COATING, DURAN

The resistant and transparent copolymer based plastic coating bonds firmly with the glass surface and performs the following functions :

- Protects the glass surface against mechanical damage (Scratch protection)
- Holds the fragments together in the event of the glass breaking (Splinter protection)
- Minimises liquid loss in the event of the glass breaking (Protection against contents escaping and spraying)
- Absorbs UV rays upto a light wavelength of 380 nm (Light protection)

Do not expose plastic coated bottles to open flames or direct heat, e.g. on a laboratory hot plate. The maximum operating temperature is 135°C. Bottle should not be exposed to this temperature for more than 30 minutes.

Plastic coated bottles are suitable for freezing (-30°C) and it can also be used in microwaves. However, the plastic coating does not increase the permissible pressure at which they can be used.



**Bottles, Laboratory, with DIN thread, Graduated, CLEAR,
with PP Screw Cap and PP Pouring Ring (Blue), Autoclavable upto 140°C, DURAN**

ISO 4796-1, USP Standard

Cat No.	Capacity ml	DIN-thread GL	O. D. mm	Height mm	Qty. Per Pack Pcs	Maximum Price Rs/Pc
21801 085	10	25	36	50	10	447.00
21801 145	25	25	36	74	10	303.00
21801 175	50	32	46	91	10	357.00
21801 245	100	45	56	105	10	364.00
21801 295	150	45	62	115	10	376.00
21801 365	250	45	70	143	10	376.00
21801 445	500	45	86	181	10	413.00
21801 515	750	45	95	208	10	548.00
21801 545	1000	45	101	230	10	651.00
21801 635	2000	45	136	265	10	1129.00
21801 695	3500	45	160	300	1	5382.00
21801 735	5000	45	182	335	1	6360.00
21801 865	10000	45	227	415	1	11573.00
21801 885	15000	45	268	450	1	21319.00
21801 915	20000	45	288	510	1	21948.00
21801 925	25000	45			1	49760.00

*10 & 25 ml Bottles will be supplied without pouring ring because of the specially formed glass tip.



Bottles, Laboratory, with DIN thread, Graduated, AMBER, ISO 4796-1, USP Standard
(Amber processing done in India), with PP Screw Cap and PP Pouring Ring (Blue),
Autoclavable upto 140°C, Made from DURAN (Retrace Code Based Batch Certificate
shall be provided as per respective sizes of Plain Bottles having Cat Nos 21801.. series)



Cat No.	Capacity ml	DIN-thread GL	O. D. mm	Height mm	Qty. Per Pack Pcs	Maximum Price Rs/Pc
21809 085	10	25	36	50	10	606.00
21809 145	25	25	36	74	10	486.00
21809 175	50	32	46	91	10	568.00
21809 245	100	45	56	105	10	597.00
21809 295	150	45	62	115	10	653.00
21809 365	250	45	70	143	10	638.00
21809 445	500	45	86	181	10	729.00
21809 515	750	45	95	208	10	942.00
21809 545	1000	45	101	230	10	1035.00
21809 635	2000	45	136	265	10	1737.00
21809 695	3500	45	160	300	1	9725.00

*10 & 25 ml Bottles will be supplied without pouring ring because of the specially formed glass tip.

Bottles, Laboratory, with DIN thread, Graduated, ISO 4796-1, USP Standard
without Cap and Pouring Ring, Autoclavable upto 140°C, DURAN



Cat No.	Capacity ml	DIN-thread GL	O. D. mm	Height mm	Qty. Per Pack Pcs	Maximum Price Rs/Pc
21801 08	10	25	36	50	10	382.00
21801 14	25	25	36	70	10	238.00
21801 17	50	32	46	87	10	275.00
21801 24	100	45	56	100	10	282.00
21801 29	150	45	62	110	10	294.00
21801 36	250	45	70	138	10	294.00
21801 44	500	45	86	176	10	331.00
21801 51	750	45	95	203	10	466.00
21801 54	1000	45	101	225	10	569.00
21801 63	2000	45	136	260	10	1047.00
21801 69	3500	45	160	295	1	5300.00
21801 73	5000	45	182	330	1	6278.00
21801 86	10000	45	227	410	1	11491.00
21801 88	15000	45	268	445	1	21237.00
21801 91	20000	45	288	505	1	21866.00
21801 92	25000	45			1	On Request



Bottles, Laboratory, with DIN thread, Graduated, AMBER **ISO 4796-1, USP Standard**
(Amber processing done in Germany), without PP Screw Cap and PP Pouring Ring,
 Autoclavable upto 140°C, DURAN

Cat No.	Capacity ml	DIN-thread GL	O. D. mm	Height mm	Qty. Per Pack Pcs	Maximum Price Rs/Pc
21806 08	10	25	36	50	10	880.00
21806 14	25	25	36	74	10	665.00
21806 17	50	32	46	91	10	767.00
21806 24	100	45	56	105	10	790.00
21806 29	150	45	62	115	10	1011.00
21806 36	250	45	70	143	10	938.00
21806 44	500	45	86	181	10	1152.00
21806 51	750	45	95	208	10	1703.00
21806 54	1000	45	101	230	10	1567.00
21806 63	2000	45	136	265	10	2556.00
21806 69	3500	45	160	300	1	11981.00
21806 73	5000	45	182	335	1	14876.00
21806 86	10000	45	227	415	1	24756.00
21806 88	15000	45	268	450	1	29696.00
21806 91	20000	45	288	510	1	55076.00
21806 92	25000	45			1	On Request



Bottles, Laboratory, with DIN thread, Graduated, AMBER **ISO 4796-1, USP Standard**
(Amber processing done in India), without PP Screw Cap and PP Pouring Ring,
 Autoclavable upto 140°C, Made from DURAN (Retrace Code Based Batch Certificate shall be provided as per respective sizes of Plain Bottles having Cat Nos 21801.. series)

Cat No.	Capacity ml	DIN-thread GL	O. D. mm	Height mm	Qty. Per Pack Pcs	Maximum Price Rs/Pc
21809 08	10	25	36	50	10	541.00
21809 14	25	25	36	74	10	421.00
21809 17	50	32	46	91	10	486.00
21809 24	100	45	56	105	10	515.00
21809 29	150	45	62	115	10	571.00
21809 36	250	45	70	143	10	556.00
21809 44	500	45	86	181	10	647.00
21809 51	750	45	95	208	10	860.00
21809 54	1000	45	101	230	10	953.00
21809 63	2000	45	136	265	10	1655.00
21809 69	3500	45	160	300	1	9643.00