



LABORATORY GLASSWARE CATALOGUE



AL MEJHAR GROUP

magic of precision



CONTENTS

4 LABORATORY
GLASS BOTTLES
AND
ACCESSORIES



30 GLASS
FILTRATION
APPARATUS
AND
ACCESSORIES



33 GLASSWARE FOR
MICROBIOLOGY



44 TECHNICAL
INFORMATION



22 BOILING FLASKS
AND GENERAL
LABORATORY
GLASSWARE



31 DESICCATORS



36 VOLUMETRIC
GLASSWARE



AL MEJHAR GLASSWEAR







Bottles

Bottles have multiple uses, as Aspirator, Reagent and Solution Bottles. Bottles are not used for direct heating purpose. 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 of the 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 have flat surfaces and are widely used for culture growth.

For all GL 45, GL 32 and GL 25 threads. Ideal for autoclaving processes because the membrane permits pressure equalisation and tight sealing, greatly reducing the risk of contamination. Ingress of liquids or solids is prevented and the bottle contents remain sterile.

Typical applications: storage or transport of gas generating media, autoclaving of media.

Cat. No.	DIN thread GL	d mm	h mm	Pack/Quantity
11 832 50	25	33	19	5
11 832 51	32	41	24	5
10 886 55	45	54	25	5

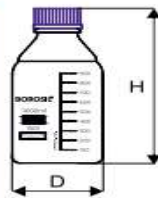
¹ For chemical and thermal resistance, see page 49.

MEMBRANE SCREW CAP
from PP¹, blue with welded-in PTFE¹
membrane for pressure equalisation



A
121 °C

Tmax.
140 °C



1501 - REAGENT BOTTLES Graduated With Screw Cap and Pouring Ring

- Complies with IS 1388 (Part I), EN ISO 4796 - 1
- 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	Thread Specification	Quantity Per Case
1501006	10 [#]	36 X 50	GL 25	10
1501009	25 [#]	36 x 70	GL 25	20
1501012	50	46 x 87	GL 32	20
1501016	100	56 x 100	GL 45	10
1501018	150 [#]	60 x 120	GL 45	10
1501021	250	70 x 140	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	1
1501038	10000 ^{**}	235 x 405	GL 45	1
1501040	20000 ^{**}	296 x 500	GL 45	1

- *Height indicated is of Bottle only
- # Without Pouring Ring
- ** Not covered in any standard
- *** As per Borosil Dimension



1519 - REAGENT BOTTLES With screw cap & pouring ring, Amber

- Complies with IS 1388 (Part I), EN ISO 4796 - 1
- 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	Thread Specification	Quantity Per Case
1519006	10 [#]	36 x 50	GL 25	10
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 140	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	1
1519038	10000 ^{**}	235 x 405	GL 45	1
1519040	20000 ^{**}	296 x 500	GL 45	1

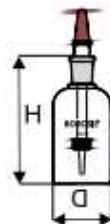
- # Without Pouring rings
- **Not covered in any standard
- ***As per BOROSIL dimensions.



1640 - DROPPING BOTTLES

With Dropper & Rubber Teat

- Made from 3.3 borosilicate glass
- Highly chemical resistance
- Supplied with interchangeable ground joint transparent pipette with rubber teat



Product Code	Capacity ml	Approx O.D. x Height mm	Socket Size	Quantity Per Case
1640010	30	35 x 84	14 / 19	10
1640013	60	42 x 100	14 / 19	10
1640017	125	55 x 120	19 / 26	10
1640021	250	65 x 147	19 / 26	10



1650 - DROPPING BOTTLES

With Pipette & Rubber Teat, Amber

- Made from 3.3 borosilicate glass
- Highly chemical resistance
- Supplied with interchangeable ground joint Amber pipette with rubber teat.
- Ideal for light sensitive materials

Product Code	Capacity ml	Approx O.D. x Height mm	Socket Size	Quantity Per Case
1650010	30	35 x 84	14 / 19	10
1650013	60	42 x 100	14 / 19	10
1650017	125	55 x 120	19 / 26	10
1650021	250	65 x 147	19 / 26	10



Beakers

Whether it is research, industry or education, the Beaker has a wide range of applications. This simple container, used for stirring and mixing liquids, is also ideal for heating them. Controlled wall thickness at the sides, radius and the base, ensures a fine balance between the thermal resistance and mechanical strength, to enable effective heating. Many Beakers also have a spout that makes pouring easier and more precise.

BOROSIL® Glasswares are best-in-class products with several advantages. They have a high level of thermal shock resistance and a high operating temperature. Besides using USP type I borosilicate glass constant quality control checks are conducted throughout the production process to ensure uniformity of the wall thickness. Such uniform wall thickness distribution prevents uneven expansion and stressing of the glass that often results in a failure.

Beakers are mainly used as heating vessels. The tall-shape design of the Beaker is ideal for heating in a liquid bath, especially when the contents need to be kept distinctly apart from the surrounding medium or materials.

BOROSIL® brand Low form Beaker (Cat No. 1000) and **BOROSIL®** brand Tall Form Beaker (Cat No. 1060) are two popular styles used for storage and mixing.

BOROSIL® offers full range of beakers to suit every application.



Made from 3.3 Low Expansion Borosilicate Glass



Beakers



Reusable Glass Low-Form Griffin Beakers

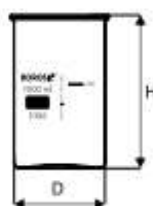
Pour accurately and steadily from the slightly flared spout. Made of KG-33 borosilicate glass and available in a range of sizes.

- Thick, heavy construction with beaded top; uniform wall thickness
- Durable, matte-finish marking area for use with an ordinary pencil
- Easy-to-read white graduated double scale on all sizes from 50 to 1000mL

Cat. No.	Capacity	Quantity
FB10050	50mL (1.69 oz.)	12/Pack
FB100100	100mL (3.38 oz.)	12/Pack
FB100150	150mL (5.07 oz.)	12/Pack
FB100250	250mL (8.45 oz.)	12/Pack
FB100400	400mL (13.52 oz.)	12/Pack
FB100600	600mL (20.28 oz.)	6/Pack
FB1001000	1000mL (33.81 oz.)	6/Pack



1006 - BEAKERS Tablet Disintegration



- It has a large labelling field that enables easy marking
- Specially designed for Tablet disintegration machine

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
1006029	1000	105 x 145	10



1000 - LOW FORM BEAKER

With Spout

- Complies with IS 2619 /ISO 3819 and DIN 12331
- The spout design enables clean and precise pouring
- Graduated to indicate the approximate content
- Uniform wall thickness distribution improves mechanical & thermal properties & makes it ideal for heating liquids
- The easy-to-read scale and large labelling field makes marking easier
- High resistance to chemical attack



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
1000005	5*	22 x 30	20	145.00
1000006	10*	26 x 35	20	145.00
1000009	25	34 x 50	60	145.00
1000D12	50	42 x 60	60	100.00
1000D16	100	50 x 70	40	100.00
1000D18	150	60 x 80	40	100.00
1000D21	250	70 x 95	40	110.00
1000D23	400	80 x 110	40	180.00
1000D24	500	83 x 115	40	175.00
1000D25	600	90 x 125	40	240.00
1000D28	800	100 x 135	20	355.00
1000D29	1000	105 x 145	20	355.00
1000D30	2000	130 x 185	6	720.00
1000D31	3000	150 x 210	4	1935.00
1000D33	5000	170 x 270	4	2840.00
1000D38	10000	220 x 350	1	9125.00

* 5 ml and 10 ml Beakers are not graduated.



Burettes



Accuracy, reliability and durability are the three essentials of burettes offered by **BOROSIL®**

Burettes are made from heavy walled, machine drawn borosilicate glass tubing, of precise bore sizes, to provide highest level of accuracy even after repeated usage.

- Complies with highest quality standards according to IS 1997 and ISO 385
- Individually calibrated on automatic calibration machines
- Available in both Class A and Class B tolerances
- Individual calibration certificate provided for Class A Burettes
- Graduation markings made using finest quality white enamel or amber ink to ensure maximum durability
- Stringent control throughout the process of manufacturing and quality checks minimizes the possibility of deviations

Made from 3.3 Low Expansion Borosilicate Glass

USP
TYPE I

TYPE I
ASTM
E438
CLASS A

ISO
3585



2123 - BURETTES

With Glass stopcock, Class A, with Individual Calibration Certificate

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Designed with straight bore stopcock that increases the life, compared to Boroflo stopcocks
- The glass stopcock enhances control and enables smoother action
- Calibrated & certified at 27°C and supplied with certificate of calibration traceable to National standards
- Generally used in Titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2123005	5	0.02	0.01	5	2415.00
2123006	10	0.05	0.03	5	2545.00
2123009	25	0.10	0.05	5	2500.00
2123012	50	0.10	0.05	5	2840.00
2123016	100	0.20	0.10	5	4095.00

2124 - BURETTES With Glass stopcock, Class B

- Complies with IS 1997 / ISO 385, Accuracy as per class B
- Designed with straight bore stopcock that increases the life, compared to Boroflo stopcocks
- The glass stopcock enhances control and enables smoother action
- Calibrated at 27°C
- Generally used in Titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2124005	5	0.02	0.02	5	975.00
2124006	10	0.05	0.05	10	830.00
2124009	25	0.10	0.10	10	810.00
2124012	50	0.10	0.10	5	880.00
2124016	100	0.20	0.20	5	1230.00





Condensers

A Condenser is designed to facilitate the cooling of hot vapours and liquids. It is structured in the form of a large glass tube, containing a smaller glass tube running through its entire length. Hot fluids pass through this small inner tube.

Typically, the outer glass tube has two hose connections to aid the passing of a coolant (usually tap water or chilled water/anti-freeze mixture). The coolant is introduced through the lower fitting, while the higher fitting serves as the exit point. Entering the coolant at the cooler point is a critical aspect as it helps maintain a smooth and correctly directed thermal gradient. This in turn, maximises efficiency and minimises the risk of thermal shock to adjacent glassware. Multiple Condensers may be connected in a series. Usually, a high flow rate is not essential for maintaining a cooling surface.

Special care should be taken while choosing Condensers keeping in mind their distillation rates, reflux rates and temperature gradients.

Borosil offers you the choice of a wide range of Condensers.



**Made from 3.3 Low Expansion
Borosilicate Glass**

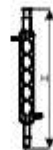




2480 - ALLIHN CONDENSER

With Drip Tip

- Complies with IS 6052
- With Interchangeable Inner and Outer Joint
- Greater surface area than the Liebig Condenser owing to a series of bulbs, resulting in higher cooling capacity
- Ideal for laboratory scale refluxing



Product Code	Approx Jacket Length mm	Approx Overall Height mm	Ground Joint		Quantity Per Case	Price / Piece ₹
			Socket	Cone		
2480087	200	350	19 / 26	19 / 26	5	850.00
NEW 2480A87	200	350	24 / 29	24 / 29	5	850.00
2480090	300	450	24 / 29	24 / 29	5	895.00
NEW 2480A90	300	450	19 / 26	19 / 26	5	895.00
2480092	400	550	24 / 29	24 / 29	5	1040.00
NEW 2480A92	400	550	29 / 32	29 / 32	5	1040.00
2480096	600	750	29 / 32	29 / 32	5	1405.00
NEW 2480A96	600	750	24 / 29	24 / 29	5	1405.00



2560 - GRAHAM COILED CONDENSER

With Drip Tip

- Complies with IS 6052
- With Interchangeable Inner and Outer Joint
- The coiled condensation tubes result in greater surface area for cooling
- Designed with top standard taper outer and lower inner drip tip joint

Product Code	Approx Jacket Length mm	Approx Overall Height mm	Ground Joint		Quantity Per Case	Price / Piece ₹
			Socket	Cone		
2560090	300	450	24 / 29	24 / 29	5	1025.00
NEW 2560A90	300	450	19 / 26	19 / 26	5	1025.00
2560092	400	550	24 / 29	24 / 29	5	1050.00
NEW 2560A92	400	550	29 / 32	29 / 32	5	1050.00
2560095	500	650	24 / 29	24 / 29	5	1325.00
NEW 2560A95	500	650	29 / 32	29 / 32	5	1325.00



Cylinders

Measuring cylinders are the most common and essential measuring devices used in any laboratory. **BOROSIL®** Cylinders are made from heavy walled, machine drawn borosilicate glass tubing which makes them sturdy for daily laboratory use.

BOROSIL® offers cylinders from capacities 5ml to 2000ml, with penny head stoppers or cylinders without stoppers.

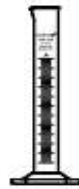
Made from 3.3 Low Expansion Borosilicate Glass





- Complies with highest quality standards according to IS 878, ASTM E1272 and ISO 4788
- All measuring cylinders are calibrated to contain (TC, In) and all tolerances are according to IS / ISO / DIN / ASTM class " A " Standards
- Individually calibrated on automatic calibration machine
- Available in both Class A and Class B tolerances
- Individual calibration certificate provided for Class A pipettes
- Graduation markings made using finest quality white enamel or amber ink to ensure maximum durability
- Stringent control throughout the process of manufacturing and quality checks minimizes the possibility of deviations
- Specially designed with hexagonal base for enhance stability
- Spout allows drip free pouring





3021 - CYLINDERS

Class A, Hexagonal base, Pour out, with Individual Calibration Certificate

- Complies with IS 878, ISO 4788
- Graduated, Single Metric Scale
- Each cylinder is engraved with a unique serial number, and comes with a Certificate of Calibration traceable to national standards
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated and certified at 27°C

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
3021005	5	0.1	0.05	5	555.00
3021006	10	0.2	0.1	5	635.00
3021008	20*	0.1	0.25	10	810.00
3021009	25	0.5	0.25	10	730.00
3021012	50	1	0.5	10	885.00
3021016	100	1	0.5	10	1005.00
3021018	150*	2	1	5	1335.00
3021021	250	2	1	10	1480.00
3021024	500	5	2.5	5	2065.00
3021029	1000	10	5	4	2520.00
3021030	2000	20	10	4	4900.00

* As per Borosil standards.



3022 - CYLINDERS

Class B, Hexagonal base, Pour out

- Complies with IS 878, ISO 4788
- Graduated, Single Metric Scale
- Certificate of Calibration traceable to national standards
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated at 27°C

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
3022005	5	0.1	0.1	5	305.00
3022006	10	0.2	0.2	5	365.00
3022009	25	0.5	0.5	10	420.00
3022012	50	1	1	20	460.00
3022016	100	1	1	20	520.00
3022018	150*	2	2	5	770.00
3022021	250	2	2	10	965.00
3022024	500	5	5	5	1255.00
3022029	1000	10	10	4	1905.00
3022030	2000	20	20	4	3655.00

*150 ml Not covered in any standards.



BOROSIL®

BAFFLED ERLLENMEYER FLASK

*A cost-effective solution
for your culture preparations*

Ideal culture vessel for

- Microbial culture preparations
- Enzymatic dissociation of tissues
- Culturing of suspension cells for biopharma applications
- Plant cell culturing





4981 - ERLLENMEYER (CONICAL) FLASK

Long Neck Without Rim

- Complies with IS 1381(Part I), DIN / ISO 1773
- Uniform wall thickness distribution makes these flasks ideal for heating
- Long neck designed for cotton plugs and metal caps
- The conical form makes them suitable for mixing liquids
- The easy-to-read scale and large labelling field facilitate easy marking
- Ideal for microbial culture work



Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case	Price / Piece ₹
4981021	250	78 x 154	27	10	235.00

4982 - ERLLENMEYER (CONICAL) FLASK

Without Rim

- Complies with IS 1381(Part I), DIN / ISO 1773
- Uniform wall thickness distribution makes these flasks ideal for heating
- The conical form makes them suitable for mixing liquids
- Designed without a rim for use in the shaker machine
- The easy-to-read scale and large labelling field facilitate easy marking
- Graduated from 25 ml to 5000 ml



Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case	Price / Piece ₹
4982027	750	114 x 210	42	10	530.00

Suitable for culture work, designed for use in shaker machine



5340 - FILTER FLASK

With Glass Tubulation

- These flasks are blown in special moulds
- The shape is designed to impart maximum mechanical strength
- The neck finish is designed for strength and to ensure good stopper fit
- Ideal for use with Bucher Funnel Category No. 36060 and Gooch Crucible
- No. 32060 with Sintered Discs that have different porosities

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
5340012	50	52 x 86	30	275.00
5340016	100	70 x 105	20	410.00
5340021	250	85 x 155	10	595.00
5340024	500	105 x 185	20	715.00
5340029	1000	135 x 235	10	1085.00
5340030	2000	165 x 270	5	2200.00
5340033	5000	240 x 450	2	7850.00
5340038	10000*	236 x 420	1	13650.00
5340040	20000*	295 x 538	1	23870.00

* These flasks are bottle shaped

Volumetric Flask

Volumetric Flask is a laboratory glassware that is designed to hold a certain volume at a particular temperature and indicates the nominal volume, tolerance, precision class, relevant manufacturing standard etc. **BOROSIL** Volumetric Flasks are manufactured in a range of sizes that is capable of containing 1ml to 5,000 ml of liquid.

It is very important to understand that for analysis which demands high precision, the selection of instruments is very vital. In cases where precision analysis is expected, only high accuracy instruments give the desired results. Most sophisticated automatic instruments can deliver high precision results, only if the volumetric ware used to prepare samples is accurate.

- Individually calibrated with automatic calibration process
- Strict quality control through all steps eliminate possible deviations from nominal volume
- Supplied with individual certificate which can be downloaded from our website
- Volumetric Flasks are supplied with plastic or solid glass stopper





5647D - VOLUMETRIC FLASKS

Class A, USP, Wide Mouth, Clear, with Individual Calibration Certificate

- Tolerance complies to ASTM E288 standards and dimensions as per ISO 1042 standards
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber enamel inscriptions
- Specially designed wide mouth for testing bigger diameter tablets without making it in powder form
- Calibrated & certified at 20°C



Product Code	Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5647005D	5	0.08	12 / 21#	5	1070.00
5647006D	10	0.08	12 / 21#	5	925.00
5647008D	20	0.08	12 / 21	5	955.00
5647009D	25	0.08	12 / 21	5	1020.00
5647012D	50	0.08	14 / 23	10	1000.00
5647016D	100	0.10	19 / 26	10	1050.00
5647020D	200	0.20	19 / 26	10	1235.00
5647021D	250	0.20	19 / 26	10	1330.00
5647024D	500	0.30	24 / 29	10	1655.00
5647029D	1000	0.40	29 / 32	10	2400.00

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
 - # Stopper size as per Borosil Design



5648 - VOLUMETRIC FLASKS

Class A, Narrow Mouth, Amber, with Individual Calibration Certificate

- Complies with DIN / ISO 1042 Accuracy as per class A
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions
- Calibrated & certified at 27°C



Product Code	Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5648005	5	0.025	10 / 19#	5	1195.00
5648006	10	0.025	10 / 19#	5	1040.00
5648008	20	0.04	10 / 19	5	1040.00
5648009	25	0.04	10 / 19	5	965.00
5648012	50	0.06	12 / 21	10	915.00
5648016	100	0.10	14 / 23	10	900.00
5648020	200	0.15	14 / 23	10	1255.00
5648021	250	0.15	14 / 23	10	1235.00
5648024	500	0.25	19 / 26	10	1650.00
5648029	1000	0.40	24 / 29	10	2405.00
5648030	2000	0.60	29 / 32	2	3910.00

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
 - # Stopper size as per Borosil Design





Funnels

Funnels may be used for separating solids from liquids, liquids from liquids and occasionally, for pouring something into a container.

BOROSIL® brand Funnels are available in a comprehensive range for a variety of such applications. Sintered Glass Funnels are also available.

Separating Funnels come in globe, pear and cylindrical shapes with ground glass stopcocks and interchangeable stoppers. These Funnels are made of specially moulded blanks. Stopcock bores, body openings and stems are carefully aligned to



Made from 3.3 Low Expansion Borosilicate Glass

USP
TYPE I

TYPE I
ASTM
E438
CLASS A

ISO
3585

6140 - GLASS FILTER FUNNEL

Short Stem

- Complies with IS 1591, DIN / ISO 4798
- Designed with a 60° bowl angle to ensure precise fitting of the filter paper
- High thermal shock resistance and chemical resistance
- Generally used for filtering and decanting liquids of varied densities



Product Code	Diameter mm	Stem		Quantity Per Case	Price / Piece ₹
		OD	Length		
6140057	25*	6	25	30	110.00
6140058	35	6	35	30	140.00
6140065	50*	8	50	20	145.00
6140069	65*	8	65	20	175.00
6140071	75	8	75	20	165.00
6140077	100	10	100	40	225.00

- * Not covered in standard



6400 - SEPARATING FUNNEL, PEAR SHAPE

With Glass Stopcock & I/C Glass Stopper

- Complies with IS 1575, DIN / ISO 4800
- Designed with pear shape and with a stem
- Generally used in the separation phase

Product Code	Capacity ml	Stopper Size	Quantity Per Case	Price / Piece ₹
6400013	60*	14 / 23	10	1210.00
6400017	125*	19 / 26	10	1315.00
6400021	250	24 / 29	10	1385.00
6400024	500	24 / 29	10	1915.00
6400029	1000	29 / 32	10	2505.00
6400030	2000	29 / 32	10	4555.00

* Not covered in standards.



Pipettes

BOROSIL® Pipettes are made from heavy walled, machine drawn borosilicate glass tubing, of precise bore sizes, to provide highest level of accuracy. The mouthpiece of pipettes, of capacities >5ml are tooled with uniform OD for easy aspiration of liquids. Tooling imparts additional strength to the pipettes.

- Individually calibrated by automatic calibration process
- Available in both Class A and Class B tolerances
- Individual calibration certificate provided for Class A pipettes
- Graduation markings made using finest quality white enamel or amber ink to ensure maximum durability
- Color coded in accordance with ISO standards to facilitate easy identification
- Chip resistant bevelled ground edges
- Pipettes can be autoclaved or flame sterilized as per requirement

Made from 3.3 Low Expansion Borosilicate Glass





7062 - MOHR PIPETTES

Class B, White Marking

- Complies with ISO 835
- Graduated for delivery from zero mark to the last graduation mark
- Graduation in white enamel for increased visibility against dark solutions
- Calibrated at 27°C

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
7062P41	0.1	0.01	0.01	20	210.00
7062P42	0.2	0.01	0.01	20	200.00
7062P01	1	0.01	0.01	20	200.00
7062P11	1	0.10	0.01	20	185.00
7062P02	2	0.02	0.02	20	210.00
7062P22	2	0.10	0.02	20	200.00
7062P05	5	0.05	0.05	20	220.00
7062P55	5	0.10	0.05	20	210.00
7062P06	10	0.10	0.10	20	240.00
7062P09	25	0.20	0.20	20	375.00



7079 - SEROLOGICAL PIPETTES

Class A, With Individual Calibration Certificate

- Complies with IS, ISO 835, Type III total delivery
- These Pipettes are graduated to the tip
- Two rings at the top indicate that the Pipette is calibrated to deliver from any graduation line down to tip
- Supplied with individual calibration certificate showing actual volume dispensed and providing traceability to national standards
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Calibrated and certified at 27°C

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
7079P41	0.1	0.01	0.006	10	630.00
7079P42	0.2	0.01	0.006	10	630.00
7079P01	1	0.01	0.007	10	715.00
7079P11	1	0.10	0.007	10	520.00
7079P02	2	0.02	0.01	10	580.00
7079P22	2	0.10	0.01	10	540.00
7079P05	5	0.05	0.03	10	670.00
7079P55	5	0.10	0.03	10	630.00
7079P06	10	0.10	0.05	10	720.00
7079P09	25	0.20	0.10	10	850.00





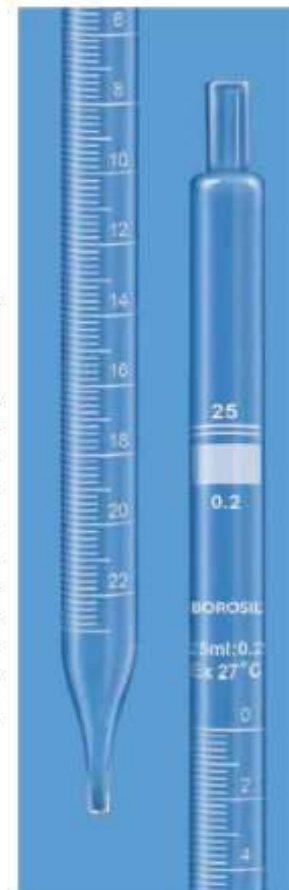
7082 - SEROLOGICAL PIPETTES

Class B, White marking

- Complies with IS, ISO 835
- These Pipettes are graduated to the tip
- Two rings at the top indicate that the Pipette is calibrated to deliver from any graduation line down to tip
- Graduation in white enamel for increased visibility against dark solutions
- Calibrated at 27°C



Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
7082P41	0.1	0.01	0.01	20	210.00
7082P42	0.2	0.01	0.01	20	200.00
7082P01	1	0.01	0.01	20	200.00
7082P11	1	0.10	0.01	20	185.00
7082P02	2	0.02	0.02	20	210.00
7082P22	2	0.10	0.02	20	200.00
7082P05	5	0.05	0.05	20	220.00
7082P55	5	0.10	0.05	20	210.00
7082P06	10	0.10	0.10	20	240.00
7082P09	25	0.20	0.20	20	375.00



7100 - VOLUMETRIC PIPETTES

Class A, with Individual Calibration Certificate

- Complies with ISO 648
- Calibrated for delivery (TD, Ex)
- Each pipette coded with unique identification number (UID) and supplied with calibration certificate with traceability to national standards
- Generally used for accurate measurement and decanting of liquid
- Calibrated and certified at 27°C



Product Code	Capacity ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
7100001	1	0.008	10	410.00
7100002	2	0.01	10	415.00
7100005	5	0.015	10	465.00
7100006	10	0.02	10	560.00
7100008	20	0.03	10	730.00
7100009	25	0.03	10	775.00
7100012	50	0.05	10	880.00
7100016	100	0.08	10	1330.00



life sciences & microscopy & microbiology



FLASKS - "for cell culture"

- Manufactured from optically clear polystyrene in germ-free, class 10.000 sterile production areas and then resterilised by gamma irradiation. Supplied with a certificate as a guarantee of "DNase, RNase & pyrogen free" product.
- Offers absolutely flat growth surface with surface activated growth area for fast and efficient growth.
- Special design offers minimized contamination risk. Angled design of the flask neck allows easy access to each corner with 100 % cell retrieval without leaving any dead corners.
- Caps are made from polypropylene with large ridges with increased grip. Cap inner design ensures hermetical and leak-proof closure.
- Caps can be opened and closed with single hand. A 2/3 turn of the cap will be sufficient for hermetic and leak-proof closure.
- Graduations on the side wall offer visual control of the filled volume. Marking area on side wall enables easy marking and labelling.
- Individually single packed with lot number, production date and expiry date printed on the package.

catalogue number	growth area	working volume	cap type	surface treatment	pack quantity	box quantity
120.11.025	25 cm ²	7 ml	vent cap with filter	yes	5 pieces	200 pieces
120.11.075	75 cm ²	25 ml	vent cap with filter	yes	5 pieces	100 pieces
120.11.175	182 cm ²	50 ml	vent cap with filter	yes	5 pieces	40 pieces
120.12.025	25 cm ²	7 ml	plug seal cap	yes	5 pieces	200 pieces
120.12.075	75 cm ²	25 ml	plug seal cap	yes	5 pieces	100 pieces
120.12.175	182 cm ²	50 ml	plug seal cap	yes	5 pieces	40 pieces

"plug cap for airtight culture"



Plug seal cap usually used for airtight culture applications. Can be used also for open culture when the cap is unscrewed.

"plug cap for airtight culture"



Vent cap is designed for open culture applications. Includes a contamination preventing hydrophobic membrane 0,2 µm.



Angled design of the flask neck allows easy access to each corner with 100 % cell retrieval without leaving any dead corners.



Ergonomic design minimizes contamination and raised corners at the body enables easy and slip-free stacking possibility.

CENTRIFUGE TUBES - "for cell culture"

- Manufactured from **FDA approved** ultra clear, high grade polypropylene. Can resist centrifugation up to 6.000 RCF.
- Sterilized with gamma irradiation, **free of RNase, DNase, and pyrogene**.
- Individual packing eliminates the possible risks of contaminations.
- Their conical bottoms make them suitable for centrifugation tests in immunology, microbiology etc.

Other technical specifications can be seen at catalogue page no 180 - 181.





life sciences & microscopy & microbiology

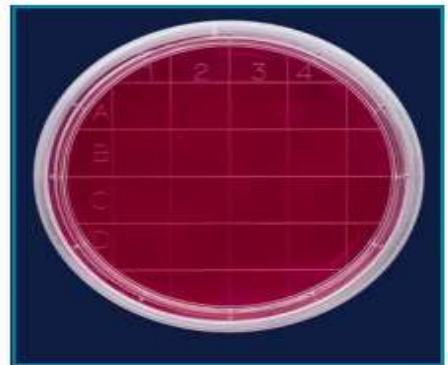


PETRI DISHES - "glass"

- Manufactured from heat resistant glass with counter sinking process which guarantees bubble-free dishes.
- Lids perfectly fit to the body enabling easy handling.
- Extremely flat bottom base guarantees an even media dispersion and uniform cell growth.
- Fire polished body and lid edges enable safe use by reducing the risk of breakage.



catalogue number	diameter	height	pack quantity
081.01.060	60 mm	15 mm	18 pieces
081.01.080	80 mm	15 mm	18 pieces
081.01.100	100 mm	20 mm	18 pieces
081.01.120	120 mm	20 mm	18 pieces
081.01.150	150 mm	25 mm	18 pieces



PETRI DISHES "contact" - "rodac"

- Manufactured from optically clear, transparent polystyrene for determining bacterial contamination of surfaces such as the skin and all other surfaces. Also facilitates the counting of colonies.

- Featured with a moulded grid at the bottom which enables the identification of the detected contamination / cm².

- Aseptic petri dishes are manufactured in germ-free, class 10.000 sterile production areas with extreme sterility control.

- Sterile petri dishes are manufactured in germ-free, class 10.000 sterile production areas and then resterilized by gamma irradiation.

- Sterile petri dishes are supplied with a certificate as a guarantee of "DNase, RNase & pyrogen free" product.

PETRI DISHES - "polystyrene" - "sterile"

- Manufactured from optically clear, transparent polystyrene for multiple use in microbiology and bacteriology. Manufactured by fully automatic, human touch free machines.

- Ideal body form guarantees excellent use with automatic filling machines. Vented lids enable consistent and effective practice.

- **Alternative 2 dishes:**
 - Aseptic petri dishes
 - Gamma sterile petri dishes

- Aseptic petri dishes are manufactured in germ-free, class 10.000 sterile production areas with extreme sterility control.

- Sterile petri dishes are manufactured in germ-free, class 10.000 sterile production areas and then resterilized by gamma irradiation. Sterile petri dishes are supplied with a certificate as a guarantee of "DNase, RNase & pyrogen free" product.

diameter x height	section	clean room produced	box quantity	gamma sterilized	box quantity
60 x 15 mm	1 section	081.02.061	500 pieces	081.02.161	500 pieces
90 x 17 mm	1 section	081.02.091	500 pieces	081.02.191	360 pieces
90 x 17 mm	2 section	081.02.092	500 pieces	081.02.192	360 pieces
90 x 17 mm	3 section	081.02.093	500 pieces	081.02.193	360 pieces
90 x 17 mm	4 section	081.02.094	500 pieces	081.02.194	360 pieces
120 x 17 mm	1 section	081.02.121	500 pieces	081.02.221	400 pieces

petri dishes clean room produced	diameter x height	pack quantity	box quantity
081.04.060	66x 15mm	10 pieces	500 pieces

petri dishes gamma sterilized	diameter x height	pack quantity	box quantity
081.04.160	66x 15mm	10 pieces	500 pieces



TEST TUBE STAND

- It is made of Aluminum sheet, Z type, new design, single piece fabrication
- One row of holes of 30 mm diameter, the second row of holes of 25 mm diameter and third row of hole of 16 mm diameter
- This aluminium Z shape design is Coated with lead free powder coating make it corrosion resistant



Product Code	Description	Case Lot No.
LATS8888H19	Z' Shape Test Tube Stand, Aluminum, 19 hole assorted	6
LATS8888H25	'Z' Shape Test tube stand, 25 hole for 16mm tube	6

TEST TUBE HOLDER

- A pair of spring strip of hard rolled stainless steel, mounted in wooden handle in cross-scissor shape, and accepts tubes of diameter 12-43 mm.
- Overall length about 225mm

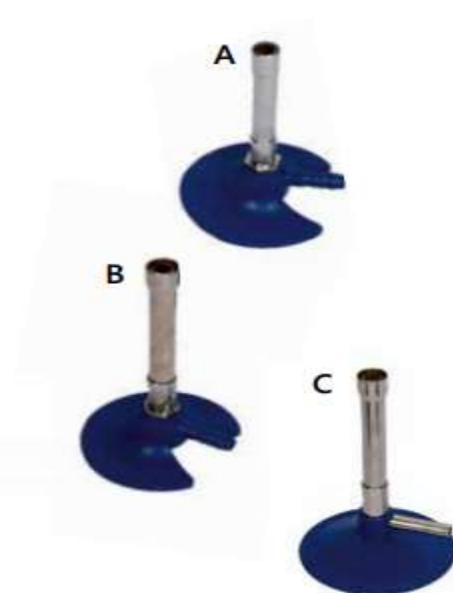


Product Code	Description	Case Lot No.
LATH8888000	Test tube holder, cross pattern, Stainless steel	24

BURNERS

- Bunsen Burner 13mm/11mm ideal for use with natural gas and L.P.G.
- Nickel-plated brass burner tube with Rotatable air regulator
- Enamelled Zinc pressure die casted base
- Base diameter 80 mm

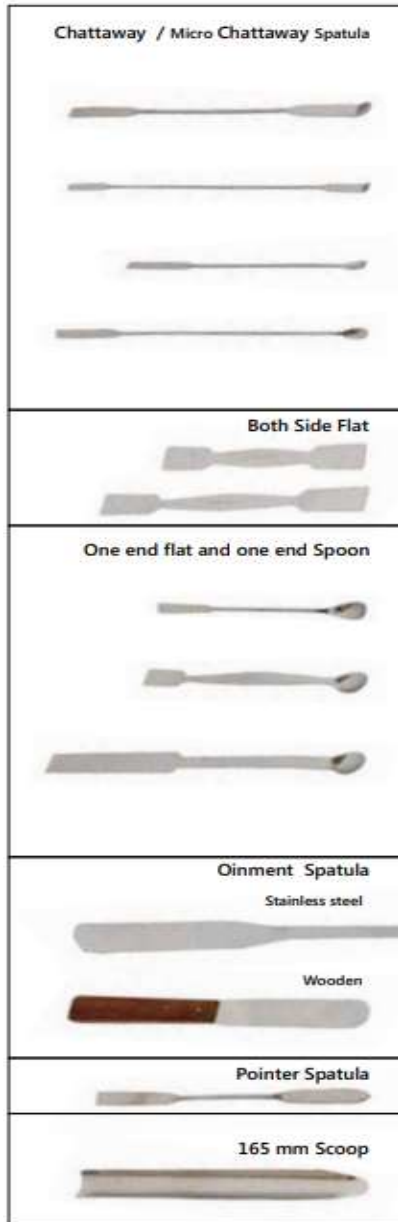
Product Code	Description	Caselot No.
LABR8888Z11	Bunsen burner, Zinc PDC base with 11mm brass pipe for L.P. G. Fig. A	2
LABR8888Z13	Bunsen burner, Zinc PDC base with 13mm brass pipe for L.P. G. Fig. B	2
LABR8888013	Burner, sheet metal base with 13mm pipe, for L.P. G. Fig. C	2





SPATULAS

- Made of stainless steel grade 202
- Spatulas are used for measuring solids moving objects and scraping material out of
- beakers



Product Code	Description	Size in inches	Case Lot No.
LACS8888006	Chattaway Spatula	6	20
LACS8888008	Chattaway Spatula	8	20
LASL8888C08	Micro Chattaway Spatula	8	20
LASC8888M06	Micro Scoop	6	10
LASC8888SM6	Semi Micro Spatula	6	10
LASL8888075	Big Spoon Spatula	7.5	10
LASL8888009	Big Spoon Spatula	9	10
LASP8888B06	Both side flat	6	20
LASP8888B08	Both side flat	8	20
LASP8888004	One end flat and one end Spoon	4	50
LASP8888006	One end flat and one end Spoon	6	50
LASP8888008	One end flat and one end Spoon	8	50
LASP8888010	One end flat and one end Spoon	10	50
LASP8888012	One end flat and one end Spoon	12	50
LASO8888W04	Ointment Spatula	4	10
LASO8888W06	Ointment Spatula Wooden Handle	6	10
LATG8888S06	Ointment Spatula Forged Stainless Steel	6	10
LASL8888P06	Pointer Spatula	6	10
LASC8888165	165 mm Scoop	6.5	10
LASL8888510	Big Spoon Spatula	10	10

* For products listed on the above table use HSN code 90189022



FORCEPS POINTED

Product Code	Description	Case Lot No.
LAFP8888004	Forceps, Pointed dissecting, 4"	10
LAFP8888005	Forceps, Pointed dissecting, 5"	10
LAFP8888006	Forceps, Pointed dissecting, 6"	10

new



FORCEPS PTFE POINTED

Product Code	Description	Case Lot No.
LAFPP8888004	Forceps, PTFE, Pointed end, 4"	10
LAFPP8888006	Forceps, PTFE, Pointed end, 6"	10

new



FORCEPS BLUNT DISSECTING

Product Code	Description	Case Lot No.
LAFB8888005	Forceps, Blunt dissecting, 5"	10
LAFB8888006	Forceps, Blunt dissecting, 6"	10
LAFB8888008	Forceps, Blunt dissecting, 8"	10

new



FORCEPS PTFE BLUNT

Product Code	Description	Case Lot No.
LAFBP8888004	Forceps, PTFE, Blunt end, 4"	10
LAFBP8888006	Forceps, PTFE, Blunt end, 6"	10

new



WIRE GAUGE

Product Code	Description	Case Lot No.
LAWG8888C06	Wire Gauge with Ceramic center 5" x 5"	10
LAWG8888C05	Wire Gauge with Ceramic center 6" x 6"	10

new



TRIANGULAR TRIPOD

Product Code	Description	Case Lot No.
LATT8888200	Triangular Tripod, SS, 200 x 125 mm	2

new



life sciences & microscopy & microbiology



MICRO - HAEMATOCRIT TUBES

➤ Manufactured by fully automatic machines according to ISO 12772 and BS 4316-68 standards with 75 mm length and 0,2 mm wall thickness.

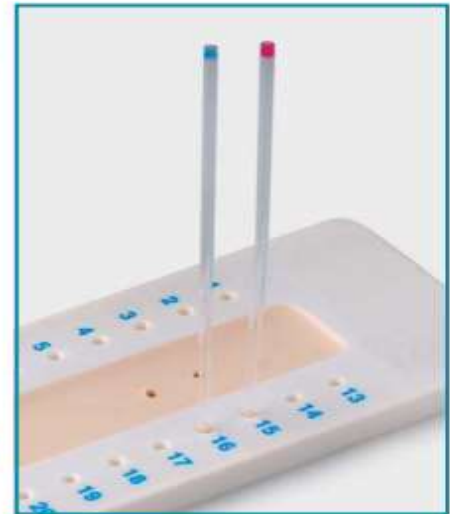
➤ **Alternative 2 tube types:**

➤ **Non-heparinised tubes with blue color tip.**

➤ **Heparinised tubes with red color tip.**

➤ Interior surface of heparinised tubes are covered with sodium heparinite.

catalogue number	tube type	vial quantity	box quantity
088.02.001	heparinised	100 pcs	10 vials
088.02.002	non-heparinised	100 pcs	10 vials



MICRO - HAEMATOCRIT TUBE WAX

➤ Offers fast and safe solutions for sealing of the micro haematocrit tube ends.

➤ Can carry 48 tubes with 2 x 24 array.

➤ Numerical index on the tray provides easy identification of tube positions

➤ This non drying sealing compound has a life time of 3 years at room conditions.

catalogue number	tube capacity	pack quantity
088.03.001	48 tubes	10 pieces



Lancets are very incisive and have very sharp edges which penetrates into the skin very easily.

BLOOD LANCETS "manual"

➤ Manufactured from medical grade stainless steel.

➤ Featured with very sharp blade end that penetrates into the skin easily without pain.

➤ Single use and gamma sterilized and individually packed.

catalogue number	pack quantity	box quantity
088.01.001	200 pieces	50 pack

BLOOD LANCETS - "automatic"

➤ Offers perfect protection since the needle is always been fully shielded "before" and "after" use.

➤ Featured with ultra sharp needle with high speed penetration of 1,8 mm depth.

➤ Single use and gamma sterilized and individually packed.

catalogue number	pack quantity	box quantity
088.02.003	100 pieces	5 packs



Twist off the protective safety cap first.



Hold the lancet firmly on the finger site



Press the release button to activate the lancet



Gently press the finger to let the blood drop out



life sciences & microscopy & microbiology



COVER GLASSES - "for counting chambers"



- Manufactured from special optical glass with ground and polished edges.
- These cover glasses are used to cover specimens in counting chambers.
- With their excellent flat surfaces they adhere perfectly on the chambers and define the volume of the cell suspension over the counting grid.
- Their substantial thickness of 0,4 mm offers perfect results without bending under capillary forces.
- Their practical dimensions of 20 x 26 mm enables use with almost chamber types.

catalogue number	pack quantity
075.04.001	10 pieces

BLOOD COUNTING CHAMBERS

- Manufactured from special optical glass according to DIN 12847 standard.
- It is possible to count different types of cells such as leukocyte, erythrocytes with simple methods under a microscope.
- Tolerance of the depth of the chamber does not exceeds 2 %.
- Counting grids are engraved into two polished surfaces at the central station.
 - "Neubauer - improved" chamber with grid consists of 3 x3 large squares with areas of 1 mm² each.
- **Alternative 2 chambers:**
 - "Thoma - new" chamber with 0,1 mm depth. The grid covers an area of 1,1 x 1,1 mm².
- Supplied in a polystyrene box together with two haemocytometer cover glasses.

catalogue number	product descriptions	pack quantity
075.03.001	Neubauer Improved	1 piece
075.03.002	Thoma - New	1 piece

CELL COUNTER - "mechanical"

- Multi use mechanical counter with maximum counting capacity up to 9999 for counting blood cells, bacterial colonies, drops of liquids, or any repetitive action.
- Featured a quick reset knob, lens window for easy reading, and finger ring for a secure grip.
- Sturdy and chrome finished metal housing offers long life cycle.



catalogue number	pack quantity
081.14.002	1 piece



CELL COUNTER - "digital"

- Multi-use digital counter with maximum counting capacity up to 9999 for counting blood cells, bacterial colonies, drops of liquids, or any repetitive action.
- Featured a quick reset knob, lens window for easy reading, and finger ring for a secure grip.
- Sturdy and chrome finished metal housing offers long life cycle.

catalogue number	pack quantity
081.14.001	1 piece



life sciences & microscopy & microbiology

COVER GLASSES

- Manufactured from optical grade, hydrolic 1 class borosilicate glass according to DIN ISO 8255 standard.
- Fully automatic production cycles ensure dust-free, absolutely clean cover glasses with excellent flatness and smooth surfaces.
- With their thickness varying 0,13 mm - 0,17 mm they guarantee perfect clearness.
- Their edges are cut with highest precision assuring flawless results.
- **Alternative 2 glasses:** ➤ economical quality cover glasses
➤ superior quality cover glasses

dimensions	economic quality	box quantity	superior quality	box quantity	pack quantity
18 x 18 mm	075.00.001	10 packs	075.01.001	10 packs	100 pcs
20 x 20 mm	075.00.002	10 packs	075.01.002	10 packs	100 pcs
22 x 22 mm	075.00.003	10 packs	075.01.003	10 packs	100 pcs
24 x 24 mm	075.00.004	10 packs	075.01.004	10 packs	100 pcs
24 x 32 mm	075.00.005	10 packs	075.01.005	10 packs	100 pcs
24 x 50 mm	075.00.006	5 packs	075.01.006	10 packs	100 pcs
24 x 60 mm	075.00.007	5 packs	075.01.007	10 packs	100 pcs



SLIDES

- Manufactured from optical grade, hydrolic 3 class soda lime glass according to DIN ISO 8037-1 standard.
- Fully automatic production cycles ensure dust-free, absolutely clean cover glasses with excellent flatness and smooth surfaces.
- With their extremely flat pre-cleaned surfaces free of dust and oil and their 1 mm thickness they assure flawless results.
- **Alternative 2 slides:** ➤ economical quality cover glasses
➤ superior quality cover glasses
- Superior quality color coded slides has ground edges with 45° edge angle.
- Color coded with 5 different colors enables fast, easy identification.



Superior quality color coded slides with 5 different colors provide easy identification of samples.



Superior quality slides have ground edges with 45° edge angle.



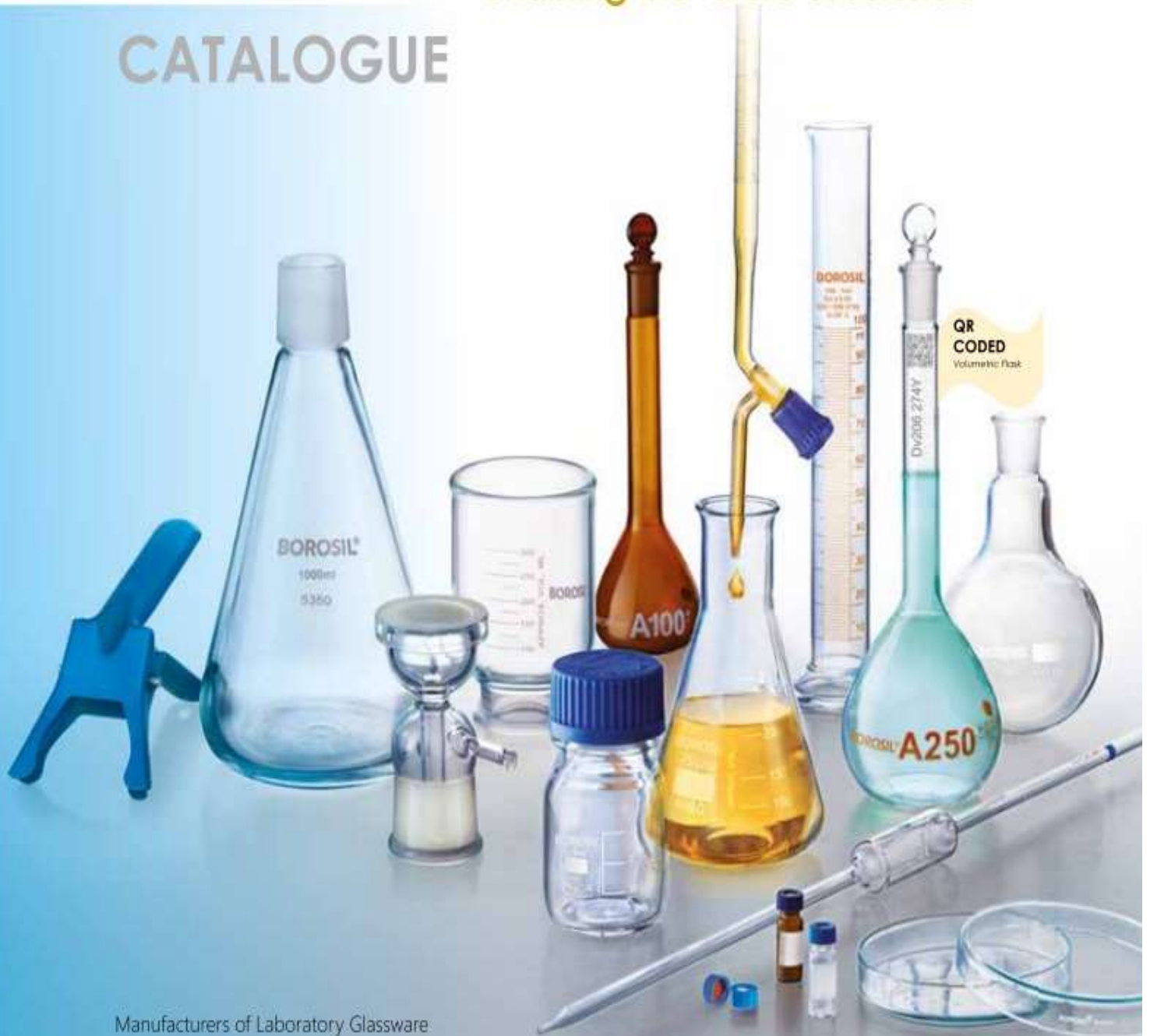
economic quality	superior quality	product descriptions	edge angle	color code	pack quantity	box quantity
075.05.001		Cut edges, Plain	90° Degree	—	50 pieces	50 packs
075.05.002		Cut edges, Frosted one end one side	90° Degree	—	50 pieces	50 packs
075.05.003		Ground edges, Plain	90° Degree	—	50 pieces	50 packs
075.05.004		Ground edges, Frosted one end two side	90° Degree	—	50 pieces	50 packs
	075.02.005	Ground edges, Color Frosted	45° Degree	white	50 pieces	50 packs
	075.02.006	Ground edges, Color Frosted	45° Degree	yellow	50 pieces	50 packs
	075.02.007	Ground edges, Color Frosted	45° Degree	green	50 pieces	50 packs
	075.02.008	Ground edges, Color Frosted	45° Degree	pink	50 pieces	50 packs
	075.02.009	Ground edges, Color Frosted	45° Degree	blue	50 pieces	50 packs



AL MEJHAR®

enabling the future of science

CATALOGUE



Manufacturers of Laboratory Glassware
From 3.3 Low Expansion Borosilicate Glass