

# eisco

INDUSTRIAL

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## PLASTICWARE



# Technical guide for use of different plasticware products

## Physical properties & chemical resistance of plastics

### Polypropylene, PP

- Translucent rigid polymer
- Temperature range -20 to +135°C
- Autoclavable at 121°C
- Good to excellent chemical resistance
- Resistant to fatigue, making it tough
- Typically used for beakers, bottles, cylinders, funnels, jugs, etc.



### Polytetrafluoroethylene, PTFE

- Opaque rigid polymer
- Wide temperature range -200 to +260°C
- Autoclavable at 121°C
- Unrivalled resistance to almost all chemicals
- Extremely low friction coefficient
- Typically used for EISCO stopcocks in burettes



### Low Density Polyethylene, LDPE

- Translucent flexible polymer
- Narrow temperature range of -50 to +80°C
- Not autoclavable at 121°C
- Good to excellent chemical resistance
- Robust and virtually unbreakable
- Typically used for wash bottles



### Polymethylmethacrylate, Acrylic (PMMA)

- Transparent rigid polymer
- Narrow temperature range -60 to +50°C
- Not autoclavable at 121°C
- Moderate chemical resistance
- Very tough and high clarity
- Typically used for radiation shields



### High Density Polyethylene, HDPE

- Translucent rigid polymer
- Broad temperature range of -100 to +120°C
- Not autoclavable at 121°C
- Good to excellent chemical resistance
- High tensile strength making it very tough
- Typically used for bottles



### Polystyrene, PS

- Transparent rigid polymer
- Narrow temperature range -40 to +90°C
- Not autoclavable at 121°C
- Moderate chemical resistance
- Brittle yet has excellent clarity
- Typically used for container ware



### Polymethylpentene, PMP (TPX)

- Transparent rigid polymer
- Broad temperature range -180 to +145°C
- Autoclavable at 121°C
- Good to excellent chemical resistance
- Has a low density and a high clarity
- Typically used for beakers and cylinders

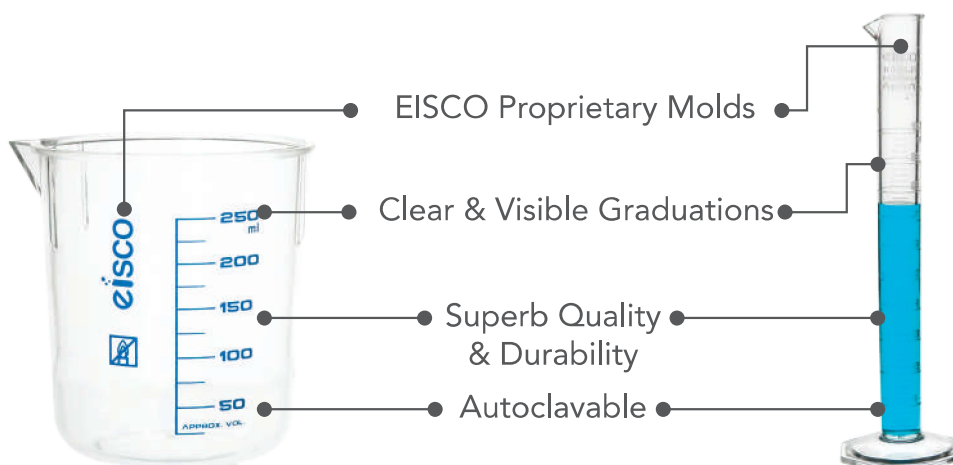


### Polycarbonate, PC

- Transparent rigid polymer
- Broad temperature range -135 to +135°C
- Autoclavable at 121°C
- Moderate chemical resistance
- High impact strength
- Typically used for safety shields



Crystal clear graduations using newly developed intellectual property, materials and molds.



Private label and OEM options on bulk orders available, please contact us for more details.



1

### Beaker - Polypropylene, Low Form 1

- Low form polypropylene beaker with spout
- Moulded graduations
- Material meets US FDA 21 CFR
- Complies with ISO/DIN 7056 standard
- Autoclavable at 121°C

Code	Capacity	Graduations	Pack Size	Price/Pack ₹
CH0137	25 ml	5 ml	12	<b>283.00</b>
CH0137A	50 ml	5 ml	10	<b>287.00</b>
CH0137B	100 ml	5 ml	10	<b>336.00</b>
CH0137C	250 ml	10 ml	10	<b>592.00</b>
CH0137D	500 ml	10 ml	10	<b>880.00</b>
CH0137E	1000 ml	20 ml	10	<b>1191.00</b>
CH0137F	2000 ml	50 ml	6	<b>1491.00</b>
CH0137G	5000 ml	200 ml	2	<b>1509.00</b>
CH0137H	Set of 5 - 50 ml, 100 ml, 250 ml, 500 ml, 1000 ml			<b>446.00</b>



2

### Beaker - Polypropylene, Low Form, Printed 2

- Low form polypropylene beaker with spout
- Easy to read chemical resistant printed graduations
- Material meets US FDA 21 CFR
- Complies with ISO/DIN 7056 standard
- Autoclavable at 121°C

Code	Capacity	Graduations	Pack Size	Price/Pack ₹
ECH0139BPR	100 ml	10 ml	10	<b>416.00</b>
ECH0139CPR	250 ml	25 ml	10	<b>763.00</b>
ECH0139DPR	600 ml	50 ml	10	<b>1137.00</b>
ECH0139EPR	1000 ml	50 ml	6	<b>1406.00</b>
ECH0139FPR	2000 ml	100 ml	4	<b>1643.00</b>
ECH0139GPR	5000 ml	500 ml	2	<b>2013.00</b>



3

### Measuring Jug - Polypropylene, Printed Graduations

- Polypropylene short form transparent measuring jugs with thumb grip handle
- Features drip free spout and easy, chemical resistant printed graduations
- Material meets US FDA 21 CFR
- Complies with ISO/DIN 7056 standard
- Autoclavable at 121°C

Code	Capacity	Graduation	Pack Size	Price/Pack ₹
CH0357A	100 ml	10 ml	10	<b>648.00</b>
CH0357B	250 ml	25 ml	10	<b>1101.00</b>
CH0357C	600 ml	50 ml	10	<b>1961.00</b>
CH0357D 3	1000 ml	50 ml	6	<b>2316.00</b>
CH0357E	2000 ml	100 ml	6	<b>3478.00</b>
CH0357F	5000 ml	500 ml	2	<b>2560.00</b>



### Graduated Cylinders - TPX, Class-B, Octagonal Base 1

- Single piece TPX graduated cylinder with easy to read moulded graduations
- Octagonal base for stability
- Calibrated to Class-B tolerances
- Material meets US FDA 21 CFR
- Complies with DIN 12681 / ISO 6706 standard
- Autoclavable at 121°C

Code	Capacity	Graduation	Pack Size	Price/Pack ₹
CH0354I	10 ml	0.2 ml	12	4400.00
CH0354J	25 ml	0.5 ml	12	5720.00
CH0354K	50 ml	1.0 ml	12	7138.00
CH0354L	100 ml	1.0 ml	6	4180.00
CH0354M	250 ml	2.0 ml	6	6576.00
CH0354N	500 ml	5.0 ml	6	9264.00
CH0354O	1000 ml	10.0 ml	4	9949.00



### Beaker - TPX, Low Form, Printed 2

- Low form TPX (PMP) beaker with spout
- Easy to read chemical resistant printed graduations
- Material meets US FDA 21 CFR
- Complies with DIN/ISO 7056 standard
- Autoclavable at 121°C

Code	Capacity	Graduations	Pack Size	Price/Pack ₹
CH0138BPR	100 ml	10 ml	12	1437.00
CH0138CPR	250 ml	25 ml	12	2874.00
CH0138DPR	600 ml	50 ml	6	2787.00
CH0138EPR	1000 ml	50 ml	6	4180.00
CH0138FPR	2000 ml	100 ml	4	4498.00



### Measuring Jugs - TPX, Printed Graduations

- TPX short form transparent measuring jugs with thumb grip handle
- Features drip free spout and easy to read, chemical resistant printed graduations
- Material meets US FDA 21 CFR
- Complies with DIN/ISO 7056 standard
- Autoclavable at 121°C

Code	Capacity	Graduation	Pack Size	Price/Pack ₹
CH0357I	100 ml	10 ml	6	907.00
CH0357J 3	250 ml	25 ml	6	1540.00
CH0357K	600 ml	50 ml	6	3007.00
CH0357L	1000 ml	50 ml	4	3471.00
CH0357M	2000 ml	100 ml	4	5133.00





### Centrifuge Tubes

At Eisco, we understand that even the smallest components, like centrifuge tubes, can significantly impact the outcome of experiments. Often viewed as just another part of the device, these tubes play a critical role in ensuring accuracy and reliability in scientific research.

That's why we adhere to the highest design and development standards, ensuring that there's no room for error in this vital consumable. Every tube we produce undergoes rigorous testing and quality control to eliminate even the slightest chance of flaws.



**Virgin FDA-Approved Polypropylene**  
Pure, metal-free polypropylene with zero contaminants.



**USP Class VI and FDA Certified Resins**  
Made with resins certified to USP Class VI standards and compliant with FDA regulation CFR 21.



**Fully Automated, Touch-Free Production**  
Manufactured in a Class 100k Clean Room with controlled environment access.



**Trace Metal-Free Options**  
Available for ultra-pure applications needing zero trace metals.



**Biologically Inert and Safe**  
Non-cytotoxic, ensuring safe handling of sensitive samples.



**Amber Tubes for Light-Sensitive Samples**  
Perfect for storing materials that degrade with light exposure.



**Broad Temperature Range**  
Can endure - 80°C to 121°C for versatile applications.



**Crystal Clear Transparency**  
Ensures easy visibility and monitoring of contents.



**Built to withstand high G-Forces**  
15 ml tubes can handle up to 17,000 g and 50 ml tubes can withstand up to 20,000 g.



**Autoclaving Condition**  
Sterilizable at 121°C for 15 minutes at 15 psi pressure.



**DNase, RNase, Endotoxin, and Human DNA Free**  
Free of contaminants for precise, contamination-free results.



**BSE/TSE Free**  
Animal-origin free to prevent cross-contamination risks.



### Centrifuge Tubes with Flat Cap - Bulk

Code	Capacity	Clear / Amber	Sterile	Racked	Individually Wrapped	Qty/ Pack	Qty/ Case	Price/Case ₹
CH5601CS500	15 ml	Clear	-	-	-	25	500	<b>5,850.00</b>
CH5602CS500	15 ml	Clear	-	Yes	-	25	500	<b>8,150.00</b>
CH5603CS500	15 ml	Amber	-	-	-	25	500	<b>8,916.00</b>
CH5604CS500	15 ml	Clear	Yes	-	-	25	500	<b>7,438.00</b>
CH5605CS500	15 ml	Clear	Yes	Yes	-	25	500	<b>9,012.00</b>
CH5606CS500	15 ml	Amber	Yes	-	-	25	500	<b>11,302.00</b>
CH5609CS500	50 ml	Clear	-	-	-	25	500	<b>8,833.00</b>
CH5610CS500	50 ml	Clear	-	Yes	-	25	500	<b>12,842.00</b>
CH5611CS500	50 ml	Amber	-	-	-	25	500	<b>12,363.00</b>
CH5612CS500	50 ml	Clear	Yes	-	-	25	500	<b>10,909.00</b>
CH5613CS500	50 ml	Clear	Yes	Yes	-	25	500	<b>15,151.00</b>
CH5614CS500	50 ml	Amber	Yes	-	-	25	500	<b>16,318.00</b>
CH5623CS500	15 ml	Clear	Yes	-	Yes	25	500	<b>8,719.00</b>
CH5624CS500	50 ml	Clear	Yes	-	Yes	25	500	<b>12,305.00</b>

Codes represents full case quantities - sold and shipped as full case only.

### Centrifuge Tubes with Self Standing, Flat Cap - Bulk

Code	Capacity	Clear / Amber	Sterile	Racked	Individually Wrapped	Qty/ Pack	Qty/ Case	Price/Case ₹
CH5615CS500	50 ml	Clear	-	-	-	25	500	<b>10,685.00</b>
CH5616CS500	50 ml	Clear	Yes	-	-	25	500	<b>13,188.00</b>
CH5619CS500	50 ml	Amber	-	-	-	25	500	<b>13,685.00</b>
CH5620CS500	50 ml	Amber	-	Yes	-	25	500	<b>14,397.00</b>
CH5621CS500	50 ml	Amber	Yes	-	-	25	500	<b>15,180.00</b>
CH5622CS500	50 ml	Amber	Yes	Yes	-	25	500	<b>16,673.00</b>
CH5625CS500	50 ml	Clear	Yes	-	Yes	25	500	<b>15,610.00</b>
CH5626CS500	50 ml	Amber	Yes	-	Yes	25	500	<b>17,825.00</b>

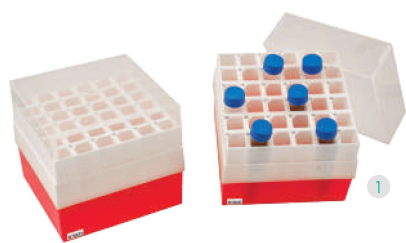
Codes represents full case quantities - sold and shipped as full case only.

### Centrifuge Tubes with Heavy Metal Free - Bulk

Code	Capacity	Clear / Amber	Sterile	Racked	Individually Wrapped	Qty/ Pack	Qty/ Case	Price/Case ₹
CH5627CS500	15 ml	Clear	-	-	-	25	500	<b>7,028.00</b>
CH5628CS500	15 ml	Clear	Yes	-	-	25	500	<b>8,181.00</b>
CH5629CS500	50 ml	Clear	-	-	-	25	500	<b>9,716.00</b>
CH5630CS500	50 ml	Clear	Yes	-	-	25	500	<b>11,999.00</b>

Codes represents full case quantities - sold and shipped as full case only.

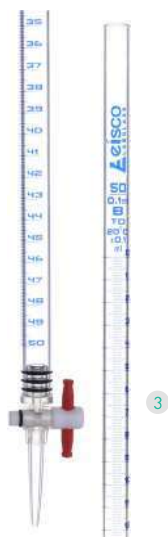




### Centrifuge Tube Storage Box with Lid

- Indexed grid, transparent lid
- Temperature range is -90°C to 121°C & autoclavable

Code	Capacity	Specs	Price/Pack ₹
CH0272A <sup>1</sup>	15 ml	36 Tubes (6 X 6)	<b>1558.00</b>
CH0272B	50 ml	16 Tubes (4 X 4)	<b>1558.00</b>



### Burettes - Acrylic <sup>3</sup>

- Transparent acrylic body & chemical resistant blue printed graduations
- Leak-proof PTFE key stopcock

Code	Capacity	Sub. Div.	Tolerance ±	Price/Piece ₹
CH0233A	25 ml	0.10 ml	0.10 ml	<b>733.00</b>
CH0233B	50 ml	0.10 ml	0.10 ml	<b>831.00</b>
CH0233C	Spare stopcock for above (Pk. of 5)			<b>1613.00</b>



### Test Tube Racks - Polypropylene, Blue

- Made of high quality polypropylene
- 6 place with drying pins
- Autoclavable at 121°C

Code	Specs	Pack Size	Price/Pack ₹
CH0694A	2 x 25 mm tubes, 4 x 16 mm tubes	10	<b>690.00</b>
CH0694B <sup>4</sup>	6 x 25 mm tubes	10	<b>966.00</b>



### Conical Flasks - Polypropylene

- Made of high quality polypropylene
- Rigid and translucent
- Ungraduated
- Autoclavable at 121°C

Code	Capacity	Pack Size	Price/Pack ₹
CH0431F <sup>5</sup>	100 ml	6	<b>746.00</b>
CH0431G	250 ml	6	<b>861.00</b>
CH0431H	500 ml	6	<b>1374.00</b>
CH0431I	1000 ml	6	<b>1943.00</b>



## Burette Clamps - Polypropylene

- Polypropylene burette clamp with a spring loaded jack in the middle to provide secure grip on burette
- Two tapered wedges are also provided to ensure firm grip on rods
- For use with 10 mm or 12.5 mm rods

Code	Specs	Pack Size	Price/Pack ₹
CH0262A 1	Burette Clamp - Single	10	1415.00
CH0262B 2	Burette Clamp - Double	6	1144.00



## Pipette Stand - Rotary

- Polypropylene pipette stand can hold up to 94 pipettes & rotates on a vertical axis.
- The lower rotating disc has four concentric troughs with tapered sides.
- Open bottom cradles the pipette tips while allowing excess water to drain.
- Stand can be easily assembled & disassembled.
- Autoclavable at 121°C

Code	Specs	Price/Piece ₹
CH0595 3	Pipette Stand - Rotary	639.00



## Funnel Holders - Polypropylene

- Can hold funnels with 3" - 6" dia. or 1" - 3" with the extra plate provided.
- Two tapered wedges are also provided to ensure firm grip on rods having 9.5mm or 13mm dia.

Code	Specs	Price/Piece ₹
CH0467 4	Funnel Holder - Single	102.00
CH0467B	Funnel Holder - Double	205.00



## Separatory Funnel Holder - Polypropylene

- Polypropylene separatory funnel holder with a front opening that allows unobstructed placement of separating funnel and a clear view of its contents
- Two tapered wedges are provided to ensure firm grip on rods having 9.5 mm or 13 mm dia

Code	Specs	Price/Piece ₹
CH0468 5	Separatory Funnel Holder - Polypropylene	126.00





### Petri Dishes

Eisco produces high-quality Petri dishes, manufactured under strict aseptic conditions using USP Class VI-compliant polystyrene. Designed specifically for microbiology applications, these 90 mm diameter dishes are ideal for automated plate-filling systems.

Available in vented and non-vented variants, each design caters to specific laboratory needs:

- **Vented Petri Dishes:** Featuring an elevated lid, these dishes promote excellent gas exchange and controlled evaporation, ensuring optimal growth and incubation conditions.
- **Non-Vented Petri Dishes:** Designed with a flat lid, they minimize evaporation, support longer incubation periods, and are ideal for anaerobic applications.

Eisco Petri dishes deliver precision, reliability, and flexibility for diverse microbiological workflows.



**Various options**

Triple vented and non-vented options in one compartment design to suit diverse laboratory needs.



**90 mm Diameter**

Perfect for microbiology applications and automated plate-filling systems



**Optically Clear**

Ensures excellent visibility for precise analysis.



**Excellent Mechanical and Heat Resistance**

Designed to endure rigorous lab workflows.



**Stackable**

Beveled top and ridged bottom for easy stacking.



**Automation Ready**

Slipable and fully compatible with medium-throughput carousel-based media preparation systems



**FDA Compliance (21 CFR 177.1520)**

Certified safe for food, drug, or medical contact.



**ISO-Compliant Raw Materials**

Meets ISO 1133 & 306 guidelines.



**Sterile Plates**

Sterility Assurance Level (SAL) of 10<sup>-6</sup>.



**Endotoxin/Pyrogen-Free**

Ensures safety in sensitive applications.



**Aseptic Plates**

Sterility Assurance Level (SAL) of 10<sup>-3</sup>.



**Class 100K Clean Room Manufacturing**

Produced in a controlled environment for high-quality standards.



**Petri Dish, 90 mm Diameter - Bulk** 1

Code	Type	Qty/Bag	Qty/Case	Price/Case ₹
CH5635CS500	Vented, Sterile	20	500	<b>4048.00</b>
CH5636CS500	Non Vented, Sterile	20	500	<b>4048.00</b>
CH5637CS500	Vented, Aseptic	20	500	<b>3650.00</b>
CH5638CS500	Non Vented, Aseptic	20	500	<b>3650.00</b>

Codes represents full case quantities - sold and shipped as full case only.



**Petri Dish, 90 mm Diameter - Individually Wrapped** 2

Code	Type	Qty/Bag	Qty/Case	Price/Case ₹
CH5641CS500	Vented, Aseptic	20	500	<b>4098.00</b>
CH5642CS500	Non Vented, Aseptic	20	500	<b>4098.00</b>
CH5643CS500	Vented, Sterile	20	500	<b>4635.00</b>
CH5644CS500	Non Vented, Sterile	20	500	<b>4635.00</b>

Codes represents full case quantities - sold and shipped as full case only.



**Petri Dish Racks**

- Clear acrylic rack with white polycarbonate posts, can hold 60 mm and 90 mm petri dishes
- Can be used during inoculation, incubation and storage
- Easy plate accessibility and visibility enables the cultures to be seen and checked during incubation

Code	Specs	Price/Piece ₹
CH0376A 3	Rack for 90 mm Petri Dishes	<b>1618.00</b>
CH0376B	Rack for 60 mm Petri Dishes	<b>1508.00</b>





## Performance Plastic Wash Bottles - Wide Neck

- Easy to read labels, including specific chemical information and safety warnings
- Material meets US FDA 21 CFR
- Color-coded screw caps for easy identification
- Made with high-quality, low-density polyethylene (LDPE)
- Performance plastic - thin wall design provides easy to control dispensing with smooth bounce back, won't get stiff over time
- Innovative Flex-Ink - labels won't fade, crack or peel
- Each bottle features a two-piece construction, consisting of the bottle and leak-proof cap with built-in nozzle
- Wide mouth for easy refilling
- Self-venting design to eliminate leaks and dripping



### Performance Plastic Wash Bottles - Wide Neck, 2 Colour

Code (PK6)	Capacity	Chemical	Pack Size	Price/Pack ₹
CHWB1011PK6	500 ml	Acetone	6	1741.00
CHWB1014PK6	1000 ml	Acetone	6	3050.00
CHWB1020PK6	500 ml	Distilled Water	6	1741.00
CHWB1023PK6	1000 ml	Distilled Water	6	3050.00
CHWB1029PK6	500 ml	Isopropanol	6	1741.00
CHWB1032PK6	1000 ml	Isopropanol	6	3050.00
CHWB1038PK6	500 ml	Ethanol	6	1741.00
CHWB1041PK6	1000 ml	Ethanol	6	3050.00
CHWB1047PK6	500 ml	Sodium Hypochlorite	6	1741.00
CHWB1050PK6	1000 ml	Sodium Hypochlorite	6	3050.00
CHWB1056PK6	500 ml	Methanol	6	1741.00
CHWB1059PK6	1000 ml	Methanol	6	3050.00



### Performance Plastic Wash Bottles - Wide Neck, 4 Colour

Code (PK6)	Capacity	Chemical	Pack Size	Price/Pack ₹
CHWB1012PK6	500 ml	Acetone	6	3190.00
CHWB1015PK6	1000 ml	Acetone	6	4886.00
CHWB1021PK6	500 ml	Distilled Water	6	3190.00
CHWB1024PK6	1000 ml	Distilled Water	6	4886.00
CHWB1030PK6	500 ml	Isopropanol	6	3190.00
CHWB1033PK6	1000 ml	Isopropanol	6	4886.00
CHWB1039PK6	500 ml	Ethanol	6	3190.00
CHWB1042PK6	1000 ml	Ethanol	6	4886.00
CHWB1048PK6	500 ml	Sodium Hypochlorite	6	3190.00
CHWB1051PK6	1000 ml	Sodium Hypochlorite	6	4886.00
CHWB1057PK6	500 ml	Methanol	6	3190.00
CHWB1060PK6	1000 ml	Methanol	6	4886.00



### Wash Bottles - Economy

- Made of high quality low density polyethylene LDPE
- The cap is fitted with a flexible polyethylene delivery tube which can be aimed wherever required
- Translucent and flexible
- Material meets US FDA 21 CFR

Code	Capacity	Pack Size	Price/Pack ₹
ECH0180A	125 ml	10	<b>543.00</b>
ECH0180B	250 ml	10	<b>953.00</b>
ECH0180C	500 ml	10	<b>1371.00</b>
ECH0180D	1000 ml	6	<b>1516.00</b>



### Filter Funnels - Polypropylene

- Made for high quality, Polypropylene (PP) conforming to US FDA 21 CFR 177.1520 requirements
- 60° angled side walls with internal ribs
- Ensures smooth and efficient filtration
- External ribs to prevent air locks for faster liquid transfer
- Autoclavable at 121°C
- Safe for food, pharma and laboratory use

Code	Dia.	Stem Length	Pack Size	Price/Pack ₹
CH5092	50 mm	50 mm	10	<b>217.00</b>
CH5093	62 mm	62 mm	10	<b>257.00</b>
CH5094	75 mm	75 mm	10	<b>330.00</b>
CH5096 <sup>2</sup>	100 mm	80 mm	10	<b>843.00</b>
CH0454E	150 mm	110 mm	10	<b>1418.00</b>



### Graduated Cylinders - Polypropylene, Class-B, <sup>3</sup> Octagonal Base

- Made for high quality, Polypropylene (PP) conforming to US FDA 21 CFR 177.1520 requirements
- Wide, octagonal base for superior stability
- Designed with a finely tapered spout for smooth, controlled pouring
- Easy to read molded graduations for accurate volume measurements
- Class B tolerances conforming to ISO 6706 requirements
- Exposure to temperature above 60°C may affect accuracy

Code	Capacity	Graduation	Pack Size	Price/Pack ₹
CH0354A	10 ml	0.2	10	<b>684.00</b>
CH0354B	25 ml	0.5	10	<b>904.00</b>
CH0354C	50 ml	1.0	10	<b>1142.00</b>
CH0354D	100 ml	1.0	10	<b>1399.00</b>
CH0354E	250 ml	2.0	10	<b>2127.00</b>
CH0354F	500 ml	5.0	5	<b>2518.00</b>
CH0354G	1000 ml	10.0	5	<b>2994.00</b>

