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CYLINDRICAL MEASURES AZA0977

The AZA0977 Cylindrical Measures are precision-engineered laboratory containers designed for the determination of bulk density (unit weight) and void content of fine and coarse aggregates.

These parameters are fundamental in concrete mix design, asphalt mix proportioning, and geotechnical evaluations, as they directly influence material yield, strength, compaction behavior, and durability.

Manufactured in compliance with IS 2386 (Part III), ASTM C29, and BS 812, the AZA0977 ensures accurate, repeatable, and standardized measurements for laboratory and field applications.

Key Functional Features

Concrete Mix Design

- Determination of aggregate proportions
- Yield calculations

Asphalt Mix Design

- Evaluation of aggregate packing characteristics

Road & Highway Construction

- Quality control of base and surface materials





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Geotechnical Engineering

- Soil and aggregate density evaluation

Aggregate Processing Plants

- Monitoring production consistency

Laboratories & Research Institutions

- Material characterization and testing

Capacity	Application
3 Liters	Fine aggregates (sand)
5 Liters	General-purpose testing
15 Liters	Coarse aggregates

Standards Compliance

The AZA0977 conforms to:

- IS 2386 (Part III) – Bulk density and voids of aggregates
- ASTM C29 / C29M – Unit weight and voids in aggregates
- BS 812 – Aggregate testing standards

Ensuring global acceptance of test results.



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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0977
Product Type	Cylindrical Measure for Bulk Density
Material	Mild Steel / Aluminum
Available Capacities	3L, 5L, 15L
Standards	IS 2386 (Part III), ASTM C29, BS 812
Surface Finish	Powder-coated / Anodized
Accessories	Tamping rod, leveling tools
Application	Bulk density & voids determination
Weight	Approx. 2 – 6 kg (depending on size)

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