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SPECIFIC GRAVITY AND WATER ABSORPTION OF AGGREGATES AZA0979

The AZA0979 Specific Gravity & Water Absorption Apparatus is a complete, integrated testing system designed for the accurate determination of specific gravity (relative density) and water absorption of fine and coarse aggregates.

These parameters are fundamental for concrete mix design, asphalt mix optimization, and aggregate quality evaluation, directly influencing strength, durability, workability, and material performance.

Manufactured in compliance with IS 2386 (Part III) and BS 812, the AZA0979 ensures highly accurate, repeatable, and standardized results suitable for laboratory and field applications.

Key Functional Features

Integrated Testing System

- Eliminates need for separate components
- Ensures consistency and ease of use

Corrosion-Resistant Materials

- Stainless steel and coated metal parts
- Suitable for continuous water exposure





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Stable Measurement Setup

- Rigid frame and tank design
- Reduces measurement errors

User-Friendly Operation

- Simple assembly and operation
- Suitable for both skilled technicians and field engineers

Compact & Portable

- Designed for easy movement between lab and site

System Configuration (Complete Set)

The AZA0979 is supplied as a fully integrated testing setup:

Electronic Balance

- Capacity: 5 kg
- High accuracy for precise measurement

Density Basket

- Stainless steel mesh construction
- Designed for submerged weighing

Water Tank

- Rigid, corrosion-resistant tank
- Provides stable immersion environment

Support Frame

- Heavy-duty metallic structure
- Ensures stable and vibration-free setup

Suspension System

- Hook and lifting mechanism
- Smooth and controlled immersion of basket



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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0979
Product Type	Specific Gravity & Water Absorption Apparatus
Balance Capacity	5 kg
Density Basket	Stainless steel mesh
Water Tank	Corrosion-resistant with base platform
Support Frame	Heavy-duty metal frame
Suspension System	Hook and lifting mechanism
Standards	IS 2386 (Part III), BS 812
Application	Specific gravity & water absorption testing

Standards Compliance

The AZA0979 conforms to:

- IS 2386 (Part III) – Specific gravity and water absorption
- BS 812 – Aggregate testing standards

Ensuring national and international acceptance of results.