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## **CENTRIFUGE EXTRACTOR (HAND OPERATED)**

### **AZA0944**

The AZA0944 Hand Operated Centrifuge Extractor from Azalab is a robust and efficient laboratory instrument designed for the determination of bitumen content in asphalt and paving mixtures using the centrifugal extraction method.

With its manual hand-crank operation and rugged construction, the AZA0944 is ideally suited for both laboratory and on-site field testing, particularly in environments where electrical power is limited or unavailable.

The system ensures reliable and repeatable bitumen extraction, supporting effective quality control in road construction and pavement engineering.

#### **Key Functional Features**

- Manual Hand-Crank Operation

No electrical power required – ideal for field use

- Centrifugal Extraction Method

Fast and effective bitumen separation

- Durable Construction

Cast aluminum body for corrosion resistance and longevity





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- Removable Extraction Bowl

Simplifies cleaning and sample handling

- Vibration-Free Operation

Smooth rotation ensures stable and accurate results

- Integrated Solvent Collection System

Efficient recovery of extracted binder solution

- Safety-Optimized Design

Tight-fitting lid reduces solvent loss and exposure

### **Applications**

- Bitumen content determination in asphalt mixes
- Road construction and pavement quality control
- Civil engineering and materials testing laboratories
- On-site and field testing operations
- Educational and training laboratories

### **Standards Compliance**

Compatible with:

- ASTM D2172 – Quantitative Extraction of Bitumen from Bituminous Paving Mixtures

Ensures reliable, consistent, and widely accepted test results.



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**TECHNICAL SPECIFICATION**

<b>Parameter</b>	<b>Specification</b>
Model	AZA0944
Operation	Hand Operated
Method	Centrifugal Extraction
Body Material	Cast Aluminum
Bowl Material	Aluminum
Sample Capacity	Up to ~1500 g
Filter System	Standard circular filter paper
Solvent Collection	Integrated tray/container
Dimensions	Approx. 300 × 300 × 450 mm
Weight	Approx. 12–15 kg
Standards	ASTM D2172 (compatible)
Origin	India