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CENTRIFUGE EXTRACTOR (MOTORISED) AZA0946

The AZA0946 Motorised Centrifuge Extractor from Azalab is a robust, high-precision laboratory instrument designed for the quantitative determination of bitumen (asphalt binder) content in hot-mix bituminous paving mixtures and pavement samples.

Engineered for modern laboratories and infrastructure projects, the AZA0946 delivers automated, repeatable, and highly accurate extraction, eliminating operator variability and fatigue associated with manual systems.

It is ideally suited for road construction quality control, mix design verification, and research laboratories, particularly where compliance with MoRTH specifications and international standards is required.

Key Functional Features

- Motorised Automatic Operation

Consistent, repeatable extraction with minimal operator input

- AC Drive with Variable Speed Control

Smooth speed regulation up to 3600 RPM

- Digital Speed Monitoring

Real-time display for accurate process control

- High-Precision Rotor Bowl

Balanced aluminum construction for stable rotation

- Robust & Chemical-Resistant Housing

Designed for durability in solvent-based environments

- Enhanced Safety System

Automatic fast stop and stable operation





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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0946
Operation	Motorised / Automatic
Method	Centrifugal Extraction
Capacity	1500 g / 3000 g options
Rotor Bowl	Precision-machined aluminum (removable)
Housing	Cylindrical aluminum enclosure
Speed Range	0 – 3600 RPM
Speed Control	AC drive (variable)
Display	Digital speed indicator
Motor	Electric, single phase
Safety	Automatic fast stop
Power Supply	230 V AC, 50 Hz
Standards	ASTM D2172, AASHTO T58 / T164

Standards Compliance

Fully compliant with:

- ASTM D2172 – Quantitative Extraction of Asphalt Binder
- AASHTO T58 / T164 – Bitumen extraction methods