



SAND EQUIVALENT TEST SET AZA0859

The AZA0859 Sand Equivalent Test Set is a standardized apparatus designed to determine the relative proportion of sand to clay-like fines in fine aggregates and granular soils.

This test is critical for evaluating aggregate cleanliness, which directly impacts the performance of asphalt, concrete, and base course layers. The system is suitable for both laboratory and field use, offering accurate and repeatable results in compliance with international standards.



Purpose & Importance

The Sand Equivalent Value (SEV) provides a numerical indication of the cleanliness and quality of fine aggregates.

Engineering Significance

- Evaluation of aggregate suitability for construction
- Control of clay and silt contamination
- Quality assurance for road and pavement materials
- Performance assessment for asphalt and concrete mixes

Standards Compliance

- ASTM D2419 – Sand Equivalent Test
- IS 2720 (Part 37) – Determination of Sand Equivalent Value
- AASHTO T176 – Plastic Fines in Aggregates and Soils



Key Features & Benefits

- Accurate Quality Assessment

Provides reliable indication of aggregate cleanliness

- Standards-Compliant Design

Meets ASTM, IS, and AASHTO testing requirements

- Portable & Field-Ready

Suitable for both laboratory and on-site testing

- Complete Testing Kit

Supplied with all essential components

- Simple Operation

Easy-to-use method with minimal training required

- Durable Construction

Robust materials for long-term use in field and lab conditions

Applications

- Construction material quality control
- Highway, road, and pavement testing
- Ready-mix concrete and asphalt plants
- Geotechnical and soil mechanics laboratories
- On-site aggregate acceptance testing



UNIVERSE

TECHNICAL SPECIFICATION

Parameter	Details
Model	AZA0859
Test Method	Sand Equivalent Test
Applicable Standards	ASTM D2419, IS 2720 (Part 37), AASHTO T176
Graduated Cylinder	1.06 L capacity, 0–380 mm scale
Irrigation System	Calibrated tube with flow regulator
Siphon Assembly	Flexible tubing with control valve
Weighted Foot	Aluminium / Brass
Test Solution	Calcium chloride-based (not included)
Operation	Manual
Application	Fine aggregates & soils
Brand	AZALAB