



## **METHYLENE BLUE TEST SET AZA0860**

The AZA0860 Methylene Blue Test Set is a comprehensive laboratory system designed for determining the clay content and activity in fine aggregates and soils through measurement of the Methylene Blue Value (MBV).

This test is highly sensitive to active clay minerals, particularly montmorillonite, which can significantly affect the performance and durability of concrete, asphalt, and geotechnical structures. The AZA0860 provides a reliable and standardized method for assessing fines reactivity and ensuring material quality.



### **Purpose & Importance**

The Methylene Blue Test evaluates the cation exchange capacity and surface activity of fine particles.

### **Engineering Significance**

- Detection of harmful clay contamination
- Assessment of aggregate cleanliness and reactivity
- Prevention of durability issues (cracking, swelling, loss of strength)
- Optimization of concrete and asphalt mix design
- Evaluation of soil behavior in geotechnical applications

### **Standards Compliance**

- EN 933-9 – Methylene Blue Test for Aggregates
- ASTM C837 – Methylene Blue Index of Clay
- NF P94-068
- UNE 83 180
- UNI 8520-15



## **Key Features & Benefits**

- High Sensitivity

Detects highly active clays such as montmorillonite

- Standards-Compliant Testing

Aligned with EN, ASTM, and international methods

- Complete Testing Kit

Supplied with all essential components and reagents

- Accurate Titration Control

Precision burette ensures reliable dosing

- Efficient Mixing System

High-speed agitator ensures uniform dispersion

- Reliable Quality Control Tool

Essential for aggregate and soil evaluation

## **Applications**

- Fine aggregate quality control
- Concrete mix design and durability assessment
- Asphalt and hot-mix design
- Geotechnical soil investigations
- Clay activity and mineral identification
- Academic and research laboratories



**UNIVERSE**

**TECHNICAL SPECIFICATION**

<b>Parameter</b>	<b>Details</b>
Model	AZA0860
Test Method	Methylene Blue Value (MBV)
Applicable Fraction	0 – 2 mm
Applicable Standards	ASTM C837, EN 933-9, others
Burette Capacity	25 ml / 50 ml
Stirrer Type	High-speed agitator / magnetic stirrer
Speed Range	400 – 600 RPM
Filter Paper	Ashless, Ø 125 mm
Power Supply	210–240 V AC, 50–60 Hz
Sensitivity	High (active clays detection)
Application	Soil & aggregate testing
Brand	AZALAB