



UNIVERSE

SAND CONTENT KIT AZA0812

The AZA0812 Sand Content Kit is a precision testing system designed to determine the percentage by volume of sand-sized particles (≥ 74 microns / 200 mesh) present in drilling fluids and slurries.

Monitoring sand content is critical in drilling and geotechnical operations, as excessive sand can cause abrasive wear of pumps, drill strings, and equipment, as well as negatively impact borehole stability and fluid performance.

This kit provides a simple, accurate, and field-ready method for sand content determination, ensuring effective quality control in both laboratory and on-site environments.

Key Features

- Sand content determination in drilling muds
- Bentonite slurry testing for piling and diaphragm wall construction
- Borehole and foundation drilling quality control
- Geotechnical and civil engineering projects
- Oilfield drilling fluid monitoring
- Laboratory and field testing of polymer and cementitious slurries





Standards & Compliance

- ASTM D4381
- API RP 13B-1

Product Features & Benefits

- Accurate Sand Measurement

Determines percentage volume of sand-sized particles with high reliability.

- Standard-Compliant Testing

Fully aligned with ASTM and API procedures for drilling fluid analysis.

- Complete Testing Kit

Includes all essential components required for immediate use.

- Durable Construction

Stainless steel sieve and robust accessories ensure long service life.

- Portable & Field-Ready

Compact design with carrying case for easy transport to remote sites.

- User-Friendly Operation

Simple manual method requiring minimal training.

- Reusable Components

Easy cleaning and replaceable sieve enhance cost efficiency.



TECHNICAL SPECIFICATION

Parameter	Details
Model	AZA0812
Equipment Type	Sand Content Test Kit
Sand Definition	$\geq 74 \mu\text{m}$ (200 mesh)
Measuring Tube	Graduated Glass Tube (% Volume Scale)
Sieve	200 Mesh Stainless Steel (Cylindrical Holder)
Funnel	Wide-Mouth Type
Wash Bottle	500 mL, Squeeze Type
Testing Method	Manual
Standards Compliance	ASTM D4381, API RP 13B-1
Portability	Supplied with Hard Carrying Case
Application	Drilling Fluids & Slurry Testing

Interpretation Guidance

- Low sand content → Properly conditioned drilling fluid
- High sand content → Risk of equipment wear and poor performance
- Recommended limits → Typically $< 1\text{--}2\%$ (application-dependent)