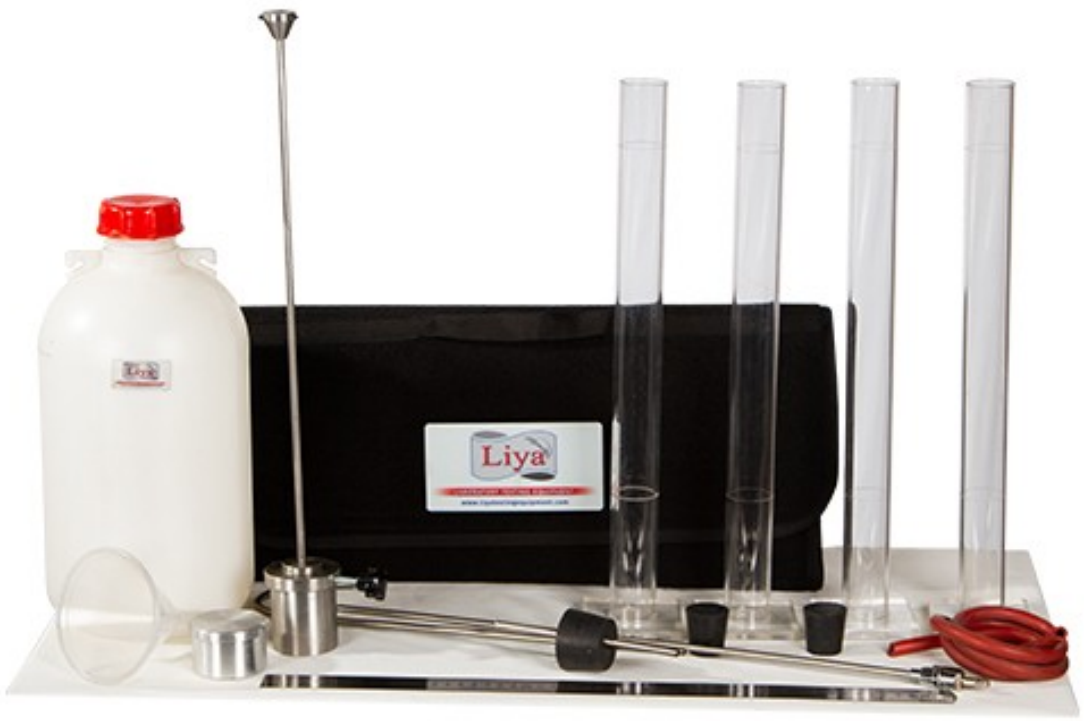
Sand Equivalent Test Set

LT-A0001 / LT-A0002 | EN and ASTM model options

Measuring cylinders • Siphon and weighted foot • Carrying case



400 × 550 × 150 mm

OVERALL DIMENSIONS OF BOTH MODELS

4.6 kg

APPROXIMATE SET WEIGHT

EN 933-8 • ASTM D2419 • AASHTO T176

LT-A0001 / LT-A0002

Photograph and Set Components

Cylinders, irrigation equipment, weighted foot and carrying case

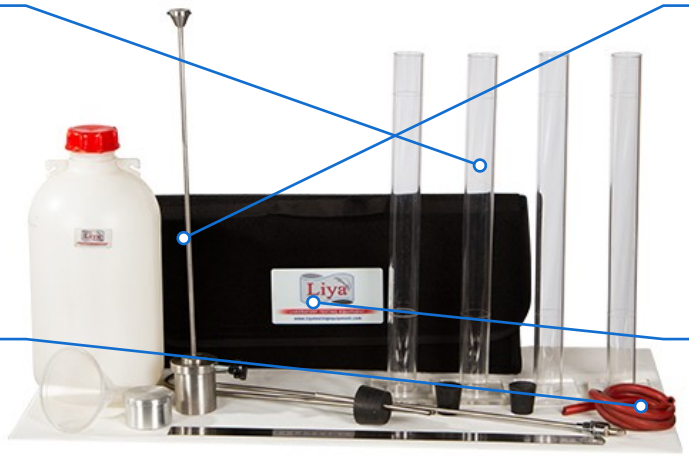
The sand equivalent test assesses the relative amount of clay-like or plastic fines in aggregate. EN and ASTM sets use different measuring cylinder arrangements. Select the model for the applicable test method.

MEASURING CYLINDERS

The EN model uses two-mark cylinders; the ASTM model uses graduated cylinders.

WEIGHTED FOOT

The weight and suspension assembly assist determination of the settled sand level.



SIPHON AND IRRIGATION

The assembly comprises an irrigator tube, rubber stopper, hose and 5 L plastic container.

CARRYING CASE

Stores and transports the components together.



Transparent measuring cylinders and reading area

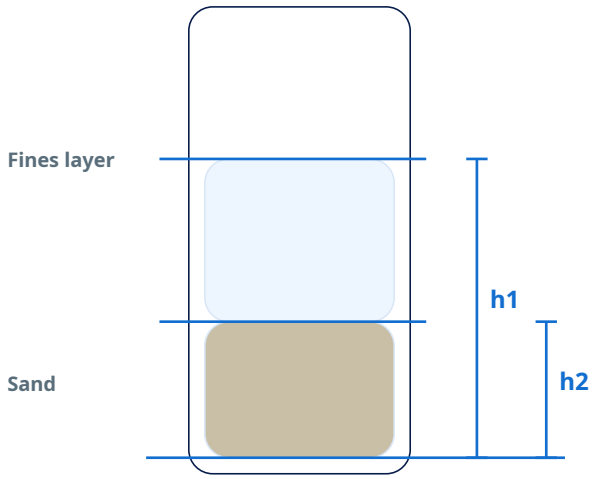


Solution container, irrigation and weighted foot equipment

From Sediment Levels to the SE Value

Prepare • Agitate and irrigate • Settle • Read levels

CYLINDER SEDIMENTATION AND LEVEL READINGS



READ LEVELS FROM THE SAME BASE

h1: UPPER LEVEL • h2: SAND LEVEL

SE: SAND EQUIVALENT VALUE

SE (%) = 100 × h2 / h1

REPRESENTATIVE SECTION • NOT TO SCALE • READ BY THE METHOD

Prepare the Specimen

Select the fraction and test portion by the chosen method; use the specified working solution.

Agitate and Irrigate

Agitate by the method. Use the irrigator tube to bring fines into suspension.

Settle and Read

Allow the specified settling time. Read the upper and sand levels; calculate SE.

After agitation and irrigation, sand particles settle in the lower part of the cylinder. Fines remain suspended above for longer. The ratio of sand level to the upper sediment level gives the sand equivalent value. Apply model selection, specimen preparation and readings under one consistent test standard.

EN and ASTM Specimen Selection

The main EN 933-8 procedure assesses the 0/2 mm fraction; the 0/4 mm procedure appears in Annex A. ASTM D2419 covers material passing the 4.75 mm sieve.

Select cylinders, specimen quantity, solution preparation and test times by the chosen method. Do not assume that results from the two methods are directly equivalent.

Readings and Comparison

Record the upper sediment level and the sand level determined with the weighted foot. Keep the cylinder undisturbed during readings; complete the required repeats.

Within the same method, higher SE indicates a greater relative sand proportion compared with clay-like fines. Assess acceptance against the relevant project specification. Clean components after testing.

LT-A0001 / LT-A0002

Models, Components and Test Workflow

EN and ASTM sets • Measuring, irrigation and carrying components

Product Code	Model	Dimensions (mm)	Weight (kg)
LT-A0001	EN	400 × 550 × 150	4.6
LT-A0002	ASTM	400 × 550 × 150	4.6

Component Code	Component / Description
LT-A0001/1	EN cylinder • Two measuring marks
LT-A0002/1	ASTM cylinder • Graduated
LT-A0001/2	Complete siphon • Irrigator tube, stopper, hose, 5 L container
LT-A0001/3	Weighted foot assembly • Weight and suspension
LT-A0001/4	Carrying case

Match the Model and Conditions to the Method

Select the set for EN 933-8, ASTM D2419 or AASHTO T176. The product family also lists UNI 8520-15, UNE 83131 and CNR No. 27; check the equipment required for the application.

From Specimen to Sand Equivalent

01
Prepare
Select the model; prepare specimen and solution.

02
Agitate / Wash
Apply agitation and siphon irrigation.

03
Settle / Read
Complete settling time and record both levels.

04
Calculate
Calculate SE and report the result.

Product Page | liyatest.com.tr/en/urun/sand-equivalent-test-set/