



Sand Equivalent

Sand equivalent tests serve as rapid field-correlation tests to show relative proportions of clay-like or plastic fines and dusts in granular soils and fine aggregates. The test separates sand and clay, a comparative reading is determined between the suspended clay and the settled sand in the measuring cylinder. Tests may be done in the laboratory or the field.

Sand Equivalent Shaker— H-4374

Sand Equivalent Shaker (230V 50Hz, 3.6amps 1ph)— H-4374.5F

Motorized sand equivalent shaker features two separate electronic timers (one preset at 45 seconds and the other preset at 10 minutes) to increase accuracy and ease of operation compared to a spring-type timer. It is recommended for samples in the laboratory.



H-4374

The consistent, repeatable oscillation of the apparatus eliminates operator-caused variation. Shaking operation delivers an 8" (203mm) stroke at a speed of 175 ±2 strokes per minute. Dimensions: 12 x 24 x 24"H (31 x 61 x 61cm). Meets ASTM D2419; AASHTO T176. Shipping wt. 80 lbs. (36.3kg)

Manually Operated Sand Equivalent Shaker— H-4378

Manually operated sand equivalent shaker is ideal for use on job site to give more uniform shaking action. Shaker consists of mounting bracket with cylinder holder and two spring steel straps, stroke indicator and counter mounted on one end. Uniform shaking action is accomplished by pushing stroke of the hand. Portable unit features removable wooden carrying case.

Dimensions: 21 x 6-1/2 x 26-3/8" (53 x 17 x 67cm).

Meets ASTM D2419; AASHTO T176.

Shipping wt. 49 lbs. (22.3kg)



H-4378

Sand Equivalent Test Set with Case— H-4340

Sand Equivalent Test Set without Case— H-4341

Set meets ASTM D2419; AASHTO T176. Shipping wt. 21 lbs (9.5kg)

Set includes the following items:

- (4) Graduated, Plastic, Measuring Cylinders—H-4340.1
- (2) Solid Rubber Stopper—H-4340.5
- (1) Irrigator Tube—H-4340.2.6
- (1) Weighted Foot Assembly—H-4340.3
- (1) Standard Stock Solution, 8oz. Plastic Bottle—H-4342
- (1) Siphon Assembly, (siphon tube and hose, bow tube and hose, stopper)—H-4340.2
- (1) Clamp—H-8630
- (1) Wide-Mouth Funnel—H-4340A
- (1) Measuring Can, 2.5 oz.—H-1350.3A

Individual items above can be ordered separately.

Sand Equivalent Stock Solution— H-4342

8 oz. (.24L) Plastic Bottle of Standard Stock Solution, made from anhydrous calcium chloride, glycerine and formaldehyde. Use diluted with distilled water in ratio of 85ml solution per/gal. distilled water.

Sand Equivalent Stock Solution— H-4342.2

Same as above except 1 gallon (3.8L) Plastic Jug.



H-4342



H-4342.2



H-4340