# AGGREGATE

## ABRAHAM CONE AND TAMPER

### PRODUCT CODE

**NT-A5570** Abraham cone and tamper


### STANDARDS

**EN 1097-6, BS 812:2, ASTM C128**

### SPECIFICATIONS

The Abraham Cone Set is used to determine the saturated surface dryness of aggregates smaller than 10 mm in the process of determining specific gravity and water absorption.

The cone has a top diameter of 40 mm, a bottom diameter of 90 mm, and a height of 75 mm. The rammer has a base diameter of 25 mm and weighs approximately 340 g.

www.noustest.com

ADDRESS:Ivedik OSB. 1462. Sk. No:24, 06374 Ivedik Osb Yenimahalle - Ankara / Türkiye

info@noustest.com

# AGGREGATE

## AGGREGATE IMPACT VALUE (AIV)

### PRODUCT CODE

**NT-A0560** Agrega darbe değeri (AIV)

### STANDARDS

**BS 812:112**

### SPECIFICATIONS

Aggregate Impact Testing Machine is used to determine the aggregate impact value (AIV) which provides a relative measure of the resistance of an aggregate to sudden shock or impact.

# AGGREGATE

## Riffle Boxes (Sample Splitters)

## PRODUCT CODE

**NT-A0430 Riffle box, 5 mm chute, with 3 pcs. collecting pan**
**NT-A0431 Riffle box, 7 mm chute, with 3 pcs. collecting pan**
**NT-A0432 Riffle box, 13 mm chute, with 3 pcs. collecting pan**
**NT-A0433 Riffle box, 15 mm chute, with 3 pcs. collecting pan**
**NT-A0434 Riffle box, 19 mm chute, with 3 pcs. collecting pan**
**NT-A0435 Riffle box, 25 mm chute, with 3 pcs. collecting pan**
**NT-A0436 Riffle box, 30 mm chute, with 3 pcs. collecting pan**
**NT-A0437 Riffle box, 38 mm chute, with 3 pcs. collecting pan**
**NT-A0438 Riffle box, 45 mm chute, with 3 pcs. collecting pan**
**NT-A0439 Riffle box, 50 mm chute, with 3 pcs. collecting pan**
**NT-A0440 Riffle box, 64 mm chute, with 3 pcs. collecting pan**

## STANDARDS

**EN 932-1, EN 932-5, EN 933-3**

## SPECIFICATIONS

Riffle Boxes (Sample Splitters) are used to divide representative dry samples of aggregates into the required batch sizes for testing. Made from electrostatic powder painted sheet steel, they are supplied complete with three metal pans.

# AGGREGATE

## GRID SIEVES, BAR SIEVES

## PRODUCT CODE

**NT-A0245** Grid sieve set, consist of 13 pcs sieves

## STANDARDS

**EN 933-3**

## SPECIFICATIONS

**The bar sieve set is used to determine the flakiness index of aggregates.**
The bar sieve set consists of 13 sieves with mesh openings of 2.5 – 3.15 – 4 – 5 – 6.3 – 8 – 10 – 12.5 – 16 – 20 – 25 – 31.5 – 40 mm.

| Product Code | Description | Bar Mesh (mm) | Dimensions (mm) | Weight (kg) |
|---|---|---|---|---|
| NT-A0246 | Bar Sieve | 2,5 mm | 34x32x8 | 4 |
| NT-A0247 | Bar Sieve | 3,15 mm | 34x32x8 | 4 |
| NT-A0248 | Bar Sieve | 4 mm | 34x32x8 | 4 |
| NT-A0249 | Bar Sieve | 5 mm | 34x32x8 | 4 |
| NT-A0250 | Bar Sieve | 6,3 mm | 34x32x8 | 4 |
| NT-A0251 | Bar Sieve | 8 mm | 34x32x8 | 4 |
| NT-A0252 | Bar Sieve | 10 mm | 34x32x8 | 4 |
| NT-A0253 | Bar Sieve | 12,5 mm | 34x32x8 | 4 |
| NT-A0254 | Bar Sieve | 16 mm | 34x32x8 | 4 |
| NT-A0255 | Bar Sieve | 20 mm | 34x32x8 | 4 |
| NT-A0256 | Bar Sieve | 25 mm | 34x32x8 | 4 |
| NT-A0257 | Bar Sieve | 31,5 mm | 34x32x8 | 4 |
| NT-A0258 | Bar Sieve | 40 mm | 34x32x8 | 4 |

# AGGREGATE

## Sand Equivalent Test Set
## EN / ASTM Compliant

## PRODUCT CODE

**NT-A0050A** Sand Equivalent Test Set, ASTM
**NT-A0050E** Sand Equivalent Test Set, EN
**NT-A0051A** Sand Equivalent Acrylic Measure, ASTM
**NT-A0051E** Sand Equivalent Acrylic Measure, EN
**NT-A0055** Sand Equivalent Test Set Stock Solution


## STANDARDS

**AASHTO T176, ASTM D2419, EN 933-8**

## SPECIFICATIONS

The Sand Equivalent Test Set is a laboratory test equipment used to determine the cleanliness and percentage of clay-like fines in fine aggregates (sand, crushed stone dust, etc.) in infrastructure and superstructure projects, soil engineering applications, and university and R&D laboratories. This test has a critical role in determining the suitability of materials for use in asphalt and concrete mixtures. The test set quickly and accurately analyzes the proportion of undesirable plastic and clay-like substances found in aggregates, providing data that directly impacts the durability and performance of building materials.
The test process involves settling an aggregate sample mixed with a solution and determining the proportion of sand and clay-like fine particles.

The set includes:
4 Clear Acrylic Graduated Cylinders ASTM or EN
4 Clear Acrylic Graduated Cylinders EN
2 Hard Rubber Stoppers
1 500 mm Stainless Steel Ruler
1 Wide-Mouth Plastic Funnel
1 5-Liter Plastic Drum
1 Siphon Fitting
1 Carrying Case
Stock Solution needs to be ordered separately.

www.noustest.com
ADDRESS:Ivedik OSB. 1462. Sk. No:24, 06374 Ivedik Osb Yenimahalle - Ankara / Türkiye
info@noustest.com

# AGGREGATE

## MOTORISED SAND EQUIVALENT SHAKER CİHAZI EN - ASTM

## PRODUCT CODE

**NT-A0150** Motorized Sand Equivalent Shaker EN / ASTM


## STANDARDS

**AASHTO T176, ASTM D2419, EN 933-8**

## SPECIFICATIONS

The Motorized Sand Equivalent Shaker is a specialized testing device used to determine the cleanliness and clay content of fine aggregates (such as natural sand and crushed stone dust). This device ensures repeatability and accuracy of the sand equivalent test in accordance with EN and ASTM standards.

Automatic Test Cycle: The device provides a constant and smooth oscillating movement and stops automatically at the end of the test period.

Movement Adjustment:
Horizontal Oscillation : 200 mm ± 10 mm (EN) / 203.2 mm ± 1 mm (ASTM)
Oscillation Speed : 90 ± 3 seconds / 30 seconds (EN) – 175 ± 2 seconds / minute (ASTM)

Test duration can be precisely adjusted from the digital screen, and the device automatically shuts down when the test is completed.

User Safety: A safety enclosure is required for sales in CE markets. The device automatically shuts down when the protective cover is opened.

www.noustest.com

ADDRESS:Ivedik OSB. 1462. Sk. No:24, 06374 Ivedik Osb Yenimahalle - Ankara / Türkiye

info@noustest.com

# AGGREGATE

## LOS ANGELES ABRASSION TEST MACHINE

### Los Angeles Aşındırma Test Cihazı

### Los Angeles Abrasion Machine for Aggregate Fragmentation Testing

## PRODUCT CODE

**NT-A0060** Los Angeles Abrasion Machine
**NT-A0062A** Ball set as per ASTM standards
**NT-0062E** Ball set as per EN standards


## STANDARDS

**ASTM C131 EN 12697-17 NF P18-573**
**AASHTO T96 CNR N. 34 UNI EN 1097-2**

## SPECIFICATIONS

The Los Angeles abrasion test is is a fundamental device for assessing the resistance of aggregates to abrasion and fragmentation. It is designed to comply with major international standards for material durability testing.

Easily set to ASTM and EN standards. Can be set to desired number of rotations.
The device consists of a cylindrical steel drum with an inner diameter of 711 mm and an inner length of 508 mm and an electronic control unit. The drum rotates at a speed of 31-33 rpm.

Device has an automatic counter that automatically stops when a preset number of cycles have been completed. A tray is included for easy sample removal.

As per EN standards, the abrasive ball set and 1.6 mm sieve and as per AASHTO and ASTM standards the abrasive ball set and 1.7 mm mesh size sieve needs to be ordered seperatly.

www.noustest.com

ADDRESS:Ivedik OSB. 1462. Sk. No:24, 06374 Ivedik Osb Yenimahalle - Ankara / Türkiye

info@noustest.com

# AGGREGATE

## METHYLENE BLUE TEST SET

## PRODUCT CODE

**NT-A0350** Methylene Blue Test Set
**NT-A0351** Methylene Mixer (400/600 rpm) and Stand
**NT-GS0755** Burette 50 mL. x 0.1 ml
**NT-GS0780** Glass baguette, Ø8x300 mm
**NT-GP0070** Plastic Beaker, 1000 ml.


## STANDARDS

**EN 933-9**

## SPECIFICATIONS

The Methylene Blue Test is a method used to determine the clay content in the fines fraction of aggregates.
It is a test set used to test the presence/contamination of clay and silt, which are undesirable in the aggregate, in the industrial sector where fine aggregates must be used.

The test involves measuring the amount of clay or fine material present on the surface of the aggregate particles. The presence of excessive clay or fines can have a significant impact on the properties of concrete, such as workability, strength, and durability. The Methylene Blue Test helps in determining the clay content, which can then be used to assess the suitability of the aggregate for use in concrete.

Methylene Blue Test set consists of;

Mixer 400/600 r.p.m.
Burette, 50 ml x 0.1 ml
Burette stand and holder
Glass rod, ø8x300 mm
Plastic Beaker, 1000 ml

# AGGREGATE

## Micro-Deval Test Apparatus

**Laboratory-Type Testing Device for Determining the Resistance of Aggregates to Wear**

### PRODUCT CODE

**NT-A0230** Micro-Deval Test Apparatus
**NT-A0232** Ø200 x 154 mm (EN 1097-1), Stainless Steel Drum
**NT-A0234** Ø200 x 400 mm (EN 13450), Stainless Steel Drum
**NT-A0236** Stainless steel ball set Ø10 mm, weight 20 kg


### STANDARDS

**EN 1097-1, EN 13450, ASTM D6928, ASTM D7428**

### SPECIFICATIONS

The Micro-Deval Test Apparatus is designed to determine the resistance to wear of 25–50 mm sized aggregates.

This test is conducted in accordance with international standards to evaluate the durability of materials used in applications such as road construction and railway ballast. The device can operate with 4 drums of Ø200 x 154 mm or 2 drums of Ø200 x 400 mm. Drum rotation speed is 100 ± 5 rpm. Device is equipped with a user-adjustable digital automatic revolution counter, and the device stops automatically at the end of the test.

**Drums and steel balls must be ordered separately.**
**NT-A0232** Ø200 x 154 mm (EN 1097-1), Stainless Steel Drum
**NT-A0234** Ø200 x 400 mm (EN 13450), Stainless Steel Drum
**NT-A0236** Stainless steel ball set Ø10 mm, weight 20 kg

www.noustest.com
ADDRESS:Ivedik OSB. 1462. Sk. No:24, 06374 Ivedik Osb Yenimahalle - Ankara / Türkiye
info@noustest.com

# AGGREGATE

## LARGE CAPACITY SAMPLE SPLITTER

### PRODUCT CODE

**NT-A0420** Large capacity sample splitter

### STANDARDS

**EN 932-3,BS 812:1, 1377:1, 1924:1**

### SPECIFICATIONS

The Large capacity sample splitter is used to divide representative dry samples into the required batch sizes for testing.

It is manufactured from powder-coated steel. The upper section of the divider has two lids that can be opened using the manual lever.

The lower section contains a total of 48 movable steel bars, each 12.5 mm wide. The chutes for different samples can be adjusted by moving these bars reciprocally.

# AGGREGATE

## SPECIFIC GRAVITY TEST SET

## PRODUCT CODE

**NT-A0010** Specific gravity test set
**NT-A0015** Cradle for concrete samples
**NT-GS0005** Stainless steel wire basket
Ø200 mm x 200 mm height, 2 mm wire mesh
**NT-GS0006** Stainless steel wire basket
Ø250 mm x 250 mm height, 2 mm wire mesh


## STANDARDS

**AASHTO T85, ASTM C127, BS 812:2, EN 1097-6, EN 12390-7**

## SPECIFICATIONS

Specific gravity frame feature a robust, custom-made frame specifically designed to support the electronic balance.

There is a movable platform at the bottom of the frame that holds a plastic water tank, allowing test samples to be weighed both in air and in water. The plastic water tank is supplied with the specific gravity frame.

**The wire basket, sample rack, and scale must be ordered separately.**

Any electronic balance that allows bottom weighing facility can be used with the frame.
For more information, see the Scales section in the related products section.

# AGGREGATE

## Pycnometer with Conical Screw Cap

### PRODUCT CODE

**NT-A0211** Pycnometer with conical screw top

### STANDARDS

**ASTM D854, BS 1377:2, BS 812:2**

### SPECIFICATIONS

Glass pycnometer supplied complete with non-corrodible cone and rubber seal.

It is used to determine specific gravity/grain properties in aggregates.

# AGGREGATE

## LENGTH (ELONGATION) GAUGE
## THICKNESS (FLAKINESS) GAUGE

### PRODUCT CODE

**NT-A0540** Thickness (Flakiness) gauge


### STANDARDS

**BS 812:105.1**

### SPECIFICATIONS

The flakiness template is used to determine whether the amount of flakiness within the aggregate mass is within acceptable limits (whether it is smaller than 0.6 times the average sieve mesh size for the specific grain class).

The mesh sizes are 4.9x30 mm, 7.2x40 mm, 10.2x50 mm, 14.4x60 mm, 19.7x80 mm, 26.3x90 mm, and 33.9x100 mm.

### PRODUCT CODE

**NT-A0541** Length (Elongation) gauge

### STANDARDS

**BS 812:105.2**

### ÜRÜN TANIMI

The Length Determination Apparatus is used to determine the length index of coarse aggregates. If the aggregate grain length exceeds 1.8 times the average sieve mesh size, the measured aggregate is considered longer than normal. It is divided into six different grain classes, ranging from 50 mm to 6.3 mm, and each grain class is measured separately.

# AGGREGATE

## THICKNESS (FLAKINESS) SIEVE SET

### PHYSICAL AND GEOMETRICAL PROPERTIES

## PRODUCT CODE

**NT-A0240** Thickness (Flakiness) Sieve Set

## STANDARDS

**BS 812:105.1**

## SPECIFICATIONS

The flakiness sieve set is used to determine whether the amount of flakiness within the aggregate mass is within acceptable limits (whether it is smaller than 0.6 times the average sieve mesh size for the specific grain class).

Consists of 7 sieves having mesh sizes 4.9x30 mm, 7.2x40 mm, 10.2x50 mm, 14.4x60 mm, 19.7x80 mm, 26.3x90 mm, and 33.9x100 mm.

**In order to evaluate the thickness index of aggregates a thickness gauge can be used instead of sieve set.**

# AGGREGATE

## Bohme Abrasion Testing Machine

### PHYSICAL AND MECHANICAL PROPERTIES

## PRODUCT CODE

**NT-A5160** Bohme Abrasion Testing
220-240 V 50 Hz, 1 ph
**NT-A5165** Abrasive Sand, 50 kg pack

## STANDARDS

**EN 1338, EN 1339, EN 1340**

## SPECIFICATIONS

The Abrasion Testing Machine according to Bohme is used for determining the abrasion resistance of concrete and natural stone products used for internal or external paving.

The machine consists of a grinding wheel of approx. 750 mm diameter, a removable testing weight of 30 kg and a clamping device for the sample. The machine is equipped with an adjustable counter (30 ± 1 r.p.m.) and an automatic cut-off system which stops the machine after 22 rotations.

**Abrasive Sand should be ordered separately.**

# AGGREGATE

## Vertical Abrasion Tester for Natural Stones and Concrete Tiles

### PHYSICAL AND MECHANICAL PROPERTIES

## PRODUCT CODE

**NT-A0160** Vertical Abrasion Tester for Natural Stones and Concrete Tiles
**NT-A0165** Abrassion sand , 25 kg in a pack

## STANDARDS

**EN 1338, EN 1341, EN 1342, EN 1343, EN 14157**

## SPECIFICATIONS

The Abrasion Tester is designed to determine the resistance to abrasion and wear of natural stones, concrete tiles, and paving products used in indoor and outdoor flooring applications.
The test simulates real-life wear by subjecting the specimen to rotating abrasive forces under controlled pressure.

**Abrasion Disc:**

- Diameter: 200 mm
- Thickness: 70 mm (standard)
- Rotation speed: 75 rpm
- Hardness: 203–245 HB

**Digital Revolution Counter:**

- Automatically stops the test when the preset number of revolutions is reached.

**Abrasive Material:**

- White fused alumina (corundum), FEPA grit size F80.

**Power Supply:** 230 V, 50 Hz, Single Phase, 500 W

**NT-A0165 Abrassion sand needs to be ordered seperatly**

www.noustest.com
ADDRESS:Ivedik OSB. 1462. Sk. No:24, 06374 Ivedik Osb Yenimahalle - Ankara / Türkiye
info@noustest.com