Wire Baskets

LT-C0659–LT-C0669 | Relative density and absorption testing

Stainless steel mesh • Different openings • Free water circulation



0.150–9.5 mm

MESH OPENING RANGE IN THE SERIES

11 models

WIRE BASKET OPTIONS

ASTM C127 • AASHTO T 85 • Select basket for sample and method

LT-C0659–LT-C0669

Photograph and Basket Components

Carrying handle, wire mesh, upper rim and base

Wire baskets retain aggregate during submerged weighing. Stainless steel mesh allows water to circulate around the particles. Select the model according to mesh opening, sample quantity and the test method.

CARRYING HANDLE

The handle supports carrying and connection to a suitable suspension arrangement for weighing.

UPPER RIM

The upper ring maintains the shape of the open basket and supports sample placement.



WIRE MESH

The mesh retains the sample while allowing water flow. Match the opening to particle size.

BASE AND LOWER RIM

The base supports aggregate particles. Keep the basket clear of the tank bottom during weighing.



Stainless steel mesh and upper rim detail

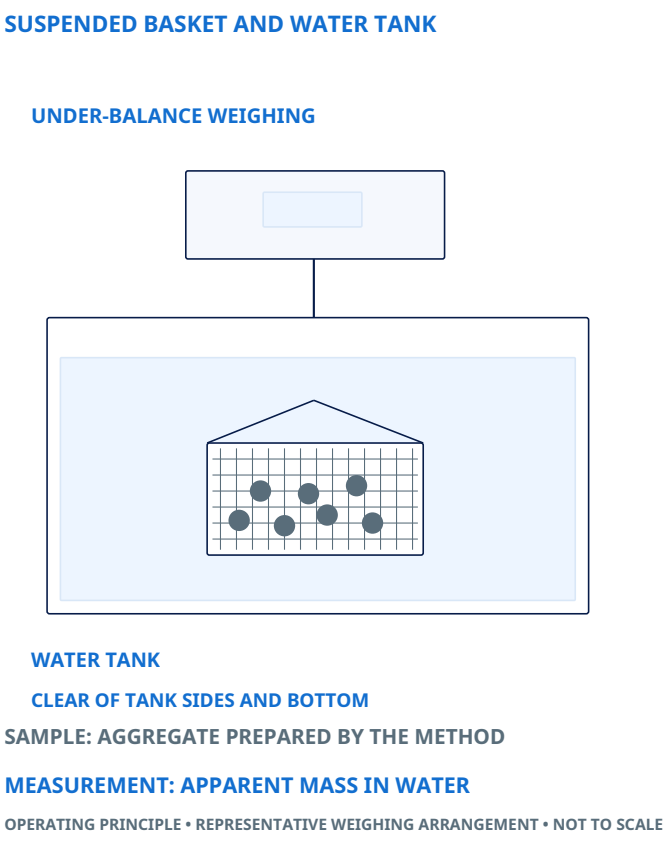


Basket base and lower rim detail

LT-C0659–LT-C0669

Freely Suspended Weighing in Water

Condition sample • Submerge basket • Record stable reading



Prepare the Sample

Apply drying and soaking as prescribed. Select a basket suitable for the particle size.

Set Up the Suspension

Fully submerge the basket without tank contact. Remove air bubbles from the mesh and particles.

Record the Stable Value

Apply the basket/suspension correction by the method. Combine submerged mass with other required readings.

Hydrostatic weighing evaluates specimen masses in air together with apparent mass in water. The basket holds the sample for submerged weighing. Relative density and absorption calculations require all conditioning and mass measurements prescribed by the method.

Basket and Mesh Selection

The opening must retain sample particles while allowing water to circulate freely. Options range from 0.150 to 9.5 mm. Avoid openings that allow sample loss.

ASTM C127 and AASHTO T 85 cover relative density and absorption of coarse aggregate. Match the eligible fraction, basket construction and sample quantity to the method.

Weighing and Maintenance

The basket and suspension must remain clear of tank sides and bottom. Keep the sample fully submerged, remove bubbles and wait for a stable balance reading.

Record dry, saturated-surface-dry and submerged masses as prescribed. After testing, rinse the mesh, clear blocked openings and dry the basket. Protect its shape from impact.

Model Codes and Mesh Openings

LT-C0659–LT-C0669 • Stainless steel wire basket options

Product Code	Mesh Opening	Sieve Equivalent	Approx. Mass
LT-C0659	0.150 mm	No.100	1.8 kg
LT-C0660	3.35 mm	No.6	1.3 kg
LT-C0661	3.35 mm	No.6	1.5 kg
LT-C0662	2 mm	No.10	1.2 kg
LT-C0663	3.35 mm	No.6	0.5 kg
LT-C0664	1.7 mm	No.12	0.5 kg
LT-C0665	0.600 mm	No.30	0.5 kg
LT-C0666	9.5 mm	3/8 in	1.3 kg
LT-C0667	4 mm	No.5	1.5 kg
LT-C0668	1.18 mm	No.16	1.6 kg
LT-C0669	0.600 mm	No.30	1.7 kg

Feature	Information
Material	Stainless steel wire mesh
Main Use	Submerged weighing for relative density / absorption
Supporting Arrangement	Under-balance weighing, suspension and water tank

Retain the Sample and Allow Free Water Flow

Select the mesh for the sample particle size. Apply the basket and suspension correction, remove bubbles and record stable submerged mass without tank contact.

From Aggregate to Hydrostatic Weighing Record

01
Prepare
Condition the sample according to the method.

02
Position
Select and suspend the appropriate basket.

03
Submerge
Immerse fully and remove air bubbles.

04
Weigh
Record stable submerged mass and corrections.

Product Page | liyatest.com.tr/en/urun/density-basket/