Slaking Vessel

LT-CE0610 | Controlled slaking of quicklime

Stainless steel • Double-wall insulation • Protective lid



Ø113 × 140 mm

INTERNAL DIAMETER × CHAMBER DEPTH

4 kg

VESSEL WEIGHT

EN 459-2 • Building lime test methods

LT-CE0610

Photograph and Vessel Components

Cylindrical chamber, stainless steel body and lid

LT-CE0610 is used to slake quicklime with water and evaluate the resulting product volume. The double-wall construction and lid help reduce heat loss during the test.

INTERNAL CHAMBER

The Ø113 mm internal diameter and 140 mm depth provide defined geometry for specimen slaking.

STAINLESS STEEL BODY

The insulated double-wall body limits transfer of reaction heat to the surrounding environment.



LID

Helps reduce heat and vapour loss during the test. Use the lid according to the applied procedure.

LID HANDLE

Facilitates lid placement and removal. Take care with hot surfaces after the reaction.



Chamber inner surface and upper rim detail



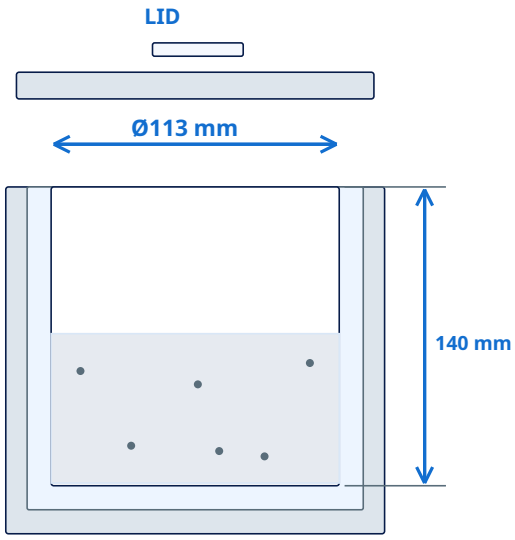
Lid and handle detail

LT-CE0610

From Slaking to Quicklime Yield

Prepare specimen • Slake with water • Evaluate the resulting volume

INSULATED CHAMBER • SLAKING REACTION



DOUBLE WALL / INSULATION

QUICKLIME + WATER = HYDRATED LIME + HEAT

YIELD: VOLUME OBTAINED FROM A DEFINED SAMPLE

SECTION SCHEMATIC • REPRESENTATIVE INTERIOR • NOT TO SCALE

Prepare the Specimen

Check the clean, dry vessel. Determine specimen quantity and water conditions according to EN 459-2.

Carry Out Slaking

Combine quicklime and water in the sequence required by the method. Apply the reaction and lid conditions.

Evaluate Yield

Determine product volume at the method evaluation stage. Record the result with specimen quantity and conditions.

Quicklime slaking is an exothermic reaction with water. The insulated vessel limits heat loss. Yield testing evaluates hydrated product volume obtained from a defined specimen quantity. The vessel does not perform automatic measurements or calculations.

Insulation and Chamber Geometry

The double-wall stainless steel construction reduces heat exchange with the environment during the reaction. The lid also helps limit heat and vapour loss.

The internal diameter is Ø113 mm and chamber depth is 140 mm. Check the inner surface before each test; hardened lime residue can affect specimen volume and subsequent tests.

Specimen Conditions and Records

Follow the relevant yield procedure in EN 459-2. Match specimen quantity, water quantity, temperature and evaluation conditions to the method.

Record specimen identity, preparation data and the resulting volume. Consistent test conditions support batch comparison. After the reaction, clean the vessel appropriately and prepare it for the next test.

Technical Specifications and Test Preparation

LT-CE0610 • Insulated stainless steel slaking vessel

Specification	Technical Information
Product Code	LT-CE0610
Product Name	Slaking Vessel
Test Purpose	Quicklime slaking and yield determination
Specimen	Quicklime
Material	Stainless steel
Body Construction	Double-wall, insulated
Chamber Geometry	Cylindrical
Internal Diameter	Ø113 mm
Chamber Depth	140 mm
External Size / Weight	12 × 12 × 16 cm; 4 kg
Lid	Reduces heat and vapour loss
Standard	EN 459-2

Clean Chamber and Consistent Conditions

Remove residue and match specimen and water conditions to the method. Record the resulting volume with specimen identity and preparation data.

From Quicklime to Yield Result

01
Check
Inspect the chamber, lid and surface cleanliness.

02
Prepare
Determine specimen and water quantities.

03
Slake
Carry out the reaction under specified conditions.

04
Evaluate
Determine product volume and record the result.

Product Page | liyatest.com.tr/en/urun/slaking-vessel/