Solubility Columns

LT-M0613 | Laboratory column leaching tests on ore samples

Vertical ore bed • Dissolution over time • Post-test sectional analysis



Ø16 × 200 cm

COLUMN EXTERNAL DIMENSIONS

3 kg

APPROXIMATE COLUMN WEIGHT

Cyanide leaching behaviour • Dissolution efficiency and duration assessment

Photographs and Components

Vertical columns, supporting frame and lower collection arrangement

The LT-M0613 is used to investigate the cyanide leaching behaviour of valuable minerals in ore. The vertical bed arrangement supports laboratory comparison of dissolution efficiency and leaching duration.

VERTICAL COLUMN

The ore bed is arranged vertically along the column.

SUPPORT FRAME

The frame and column holders support the vertical arrangement.



LOWER OUTLET

The lower valve in the photograph marks the solution outlet.

COLLECTION VESSEL

The vessel below illustrates collection of the outlet solution.



Column opening and upper holder

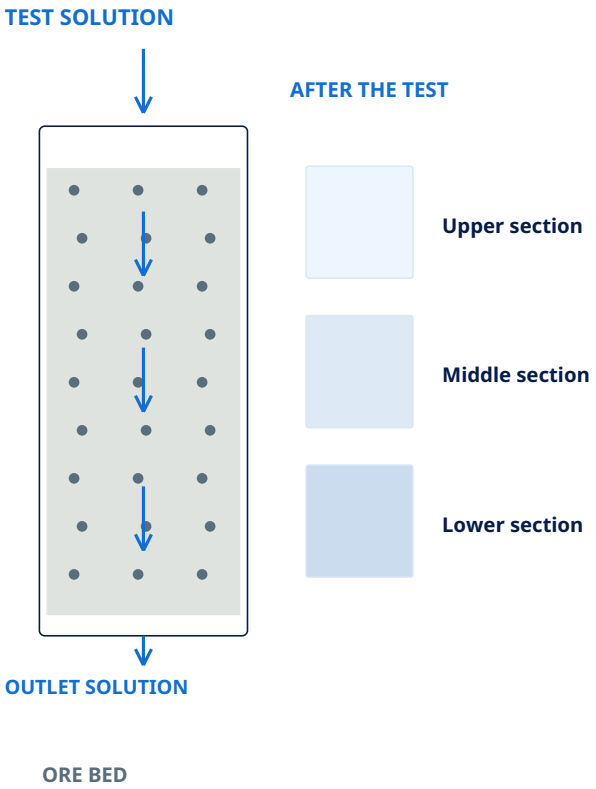


Lower valve and solution collection vessel

LT-M0613

Column Leaching and Sectional Sampling

Solution applied from above • Downward flow • Post-test bed analysis



Solution Flow

Solution applied at the top moves downward through the ore bed.

Time Monitoring

Outlet solution collected at selected times is analysed as separate samples.

Sectional Analysis

After the test, the bed is removed; upper, middle and lower sections are analysed separately.

Outlet solution analysis indicates how recovery changes over time. Post-test bed samples allow the remaining valuable mineral content to be evaluated at different heights along the column.

Comparable Test Records

Record ore type, particle size, solution application schedule and test duration together. Associate every outlet sample with its collection time.

Label Samples by Bed Position

Preserve section order when removing the bed. Upper, middle and lower labels make it easier to associate each separate analysis result with its location in the column.

LT-M0613

Technical Data and Test Workflow

LT-M0613 • Column dimensions, weight and evaluation method

Technical Specification	Value
Product Code	LT-M0613
Product Name	Solubility Columns
Column External Dimensions	Ø16 × 200 cm
Approximate Column Weight	3 kg
Test Arrangement	Vertical ore bed
Main Application	Laboratory cyanide leaching
Solution Application	From above, according to the test schedule
Duration Assessment	Outlet solution analysis over time
Post-test Sampling	Different sections of the removed ore bed

Two Complementary Analyses

Solution samples describe recovery over time; bed samples taken after the test show the remaining mineral distribution along the bed height.

Test Workflow

01
Form the Bed
Load prepared ore into the column.

02
Apply Solution
Follow the selected test schedule.

03
Collect Outlet
Label solution samples by time.

04
Analyse the Bed
Remove, divide and sample the bed.

Product Page | liyatest.com.tr/en/urun/solubility-columns/