Asphalt Distillation Test Set

LT-AS0102 | Controlled distillation and distillate volume measurement

Adjustable heating • Glass condenser • Graduated receiver



-2 / +400 °C

THERMOMETER MEASUREMENT RANGE

6 kg

SET WEIGHT

ASTM D402/D402M • AASHTO T78

LT-AS0102

Photograph and Distillation Componen

Heating controls, protective enclosure, condenser and receiver

The asphalt distillation set evaluates volatile constituents in cutback asphalt by controlled distillation. Read condensed distillate volumes at specified temperature stages; retain the flask residue for further testing when required.

HEATING CONTROLS

Adjustable heating supports controlled temperature increase according to the method.

PROTECTIVE ENCLOSURE

The metal body supports secure positioning of the distillation components.



GLASS CONDENSER

Converts volatile-component vapours back into liquid and directs them to the receiver.

GRADUATED RECEIVER

Collect condensed distillate and record its volume together with temperature stages.



Glass condenser and connection arrangement



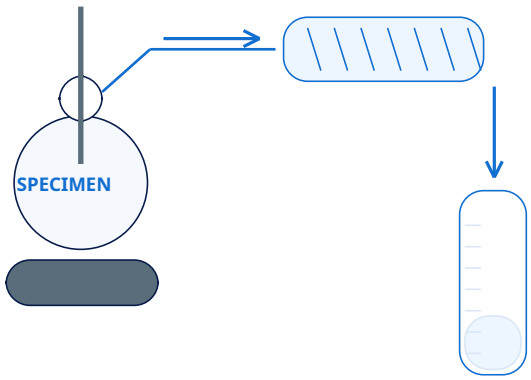
Adjustable heating and on/off panel

LT-AS0102

Distillate Collection at Temperature St

Prepare • Heat steadily • Condense and collect • Evaluate

SPECIMEN + VAPOUR + CONDENSER + RECEIVER



DISTILLATE

THERMOMETER: MONITOR TEMPERATURE STAGES

RECEIVER: READ CONDENSED DISTILLATE VOLUME

RESIDUE REMAINS IN THE DISTILLATION FLASK

Report temperature and distillate volume together

REPRESENTATIVE ASPHALT DISTILLATION DIAGRAM • NOT TO SCALE

Prepare Specimen and Assembly

Measure the specimen as specified. Secure flask and check thermometer and glass connections.

Heat Steadily and Collect

Apply heating according to the method. Collect condensed distillate in the graduated receiver.

Record Stage Readings

Record volumes at specified temperatures. Retain the residue for suitable further testing.

Heating vaporises the specimen’s volatile constituents; the condenser turns vapour back into liquid. Distillate accumulates in the receiver and volumes are read at the relevant temperature stages. Less volatile asphalt residue remains in the flask for further evaluation as specified.

Temperature Monitoring and Thermometer

The LT-AS0102/1 high distillation thermometer is an ASTM 8C type with a -2 °C to +400 °C measuring range. These values describe the thermometer range, not a single temperature for all test stages.

Position the thermometer according to the method. Monitor heating and distillate volumes at the specified temperature points.

Cutback Asphalt and Test Residue

ASTM D402/D402M and AASHTO T78 cover cutback asphalt distillation and evaluation of volatile constituents. Select specimen quantity and the test endpoint according to these methods.

Record volumes and conditions. Collect residue appropriately for further analysis; allow the system to cool before disassembly and cleaning.

Technical Specifications and Distillation Equipment

LT-AS0102 | Cutback asphalt distillation and thermometer option

Technical Feature / Component	Value / Description
Product Code	LT-AS0102
External Dimensions	30 × 30 × 61 cm
Weight	6 kg
Heating	Adjustable controlled-heating assembly
Distillation Vessel	Glass distillation flask
Condenser	Glass condenser and connection adaptor
Distillate Collection	Graduated receiver
Thermometer Code	LT-AS0102/1 • ASTM 8C
Thermometer Range	-2 °C to +400 °C
Relevant Methods	ASTM D402/D402M • AASHTO T78

Thermometer Position and Temperature-Volume Records

Assemble flask, thermometer and glass connections according to the method. Apply controlled heating and record distillate volumes together with their temperature stages.

From Cutback Asphalt to Distillate and Residue

01
Prepare
Measure specimen and assemble the apparatus.

02
Heat
Increase temperature steadily as specified.

03
Collect / Read
Read distillate volume at the specified stages.

04
Evaluate
Report volumes and retain the residue.

Product Page | liyatest.com.tr/en/urun/asphalt-distillation-test-set/