

OL580

Noack Tester

ASTM D5800, IP421

This test method is intended to measure the effect of heat and air on a moving film of semi-solid asphaltic materials. The effects of this treatment are determined from measurements of the selected properties of the asphalt before and after the test.

Measuring Noack Principle

A quantity of 65 grams of sample is heated to a specific temperature and maintained for 1 hour while it is enclosed in a crucible, the crucible's cover is shaped to allow a constant vacuum of -2 mbar to remove from the crucible the evaporating portion of the sample. At the end of the test, the sample is cooled and then reweighed: the difference, reported in percentage, represent the sample's Evaporation Loss by the Noack Method.

Method A: bath is controlled at 250°C.

Method B: the sample is controlled at 245.2°C.

Electronic regulator for automatic control of differential pressure

- Differential pressure 20 mm $\pm$ 0.2 mm H₂O

Crucible, Crucible Cover and Heating Block

- Same dimensions and volume as ASTM D5800
- Electrically heated new designed aluminium block, no Woods metal needing

Vacuum Pump

- Equipped with high resistant Kalrez valve, inlet filter to remove product residuals
- Automatic electronic control system able to maintain the pressure differential 20 mm $\pm$ 0.2 mm during the analysis
- Low voltage power supply



Specifications

Test range	+225°C to +275°C
Measurement range	0°C ... +320°C
Temperature precision	0.01 °C
Temperature stability	$\pm$ 0.1 °C
Heating	Electric, 500 W
Power	220V $\pm$ 15% / 50 to 60 Hz 115V $\pm$ 15% / 60 Hz
Weight	22 kg
Dimensions (WxDxH)	40 x 45 x 45 cm