Ash Determination

Manual and Semi-automatic Analysers: Residues

Ash from Petroleum Products.
This test method covers the determination of ash in the range 0.001-0.180 mass %, from distillate and residual fuels, gas turbine fuels, crude oils, lubricating oils, waxes, and other petroleum products, in which any ash-forming materials present are normally considered to be undesirable impurities or contaminants.
The test method is limited to petroleum products which are free from added ash-forming additives, including certain phosphorus compounds.

ASTM D874 - IP 163 - ISO 6245
Sulfated Ash from Lubricating Oils and Additives.
This test method covers the determination of the sulfated ash from unused lubricating oils containing additives and from additive concentrates used in compounding.
These additives usually contain one or more of the following metals: barium, calcium, magnesium, zinc, potassium, sodium, and tin. The elements sulfur, phosphorus, and chlorine can also be present in combined form. Application of this test method to sulfated ash levels below 0.02 mass% is restricted to oils containing ashless additives. The lower limit of the method is 0.005 mass% sulfated ash.

ASTM D482 - D874 - ASTM D4422
Ash in Analysis of Petroleum Coke.
This test method covers the determination of the ash content of petroleum cokes.

Accessories for ASTM D482 - D874
- LT/B-2470/BCA200: analytical balance
  - Capacity: 210 g
  - Readability: 0.1 mg
  - Linearity: ± 0.2 mg
  - Repeatability: ± 0.05 mg
  - Response time: 6/10 sec.
  - Pan diameter: 80 mm
  - Calibration: Internal
- LAB-102-722: crucible made in porcelain, 100 ml, pack of 5
- LAB-102-723: crucible made in porcelain, 150 ml, pack of 5
- LAB-580-0016: gloves heat resistant
- LAB-102-421/T: tongs
- LAB-102-275: dessicator made in glass, Ø 300 mm with tap plate made in porcelain

Accessories for ASTM D4422
- LT/B-2470/ BC 200: analytical balance
- LT/DO-248000/N50: drying oven
- LAB-102-724: crucible made in porcelain, 30 ml, pack of 5