



Ash Determination



ASTM D482 - D1119 - D4422
IP 4 - IP 163
ISO 3987 - ISO 6245

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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.

ASTM D1119
Standard Test Method for Percent Ash Content of Engine Coolants.

This test method covers the determination of ash content after ignition of commercial engine coolants and antirusts, as packaged or after use.

ASTM D4422
Ash in Analysis of Petroleum Coke.

This test method covers the determination of the ash content of petroleum coke.

Muffle Furnace for Evaporating-autoclave Application

- Insulation heat made in ceramics fibre in order to get a speed heating with a limited energetic consumption.
- Heating muffle unthreaded from the back, in an only cast of refractory cordieletic material to provide for thermal jolts.
- Resistors in Kanthal screened by thermic stainless AISI 310.
- Lateral opening door with pressure wedge and with a stop device for electric feeding when it opens, allowing the worker, during the loading and unloading of the muffle, to act with the utmost safety avoiding the

- contact with the burning part.
- Control panel is positioned on the furnace bottom containing a digital visualized thermoregulator and safety switch for system protection – Gefran 1200.
- Internal chamber made in AISI 310 with direct-welded posterior exhaust for fume extraction (Optional Incoloy Ds).

LT/ME-271000/M

- Single phase tension: 220 Vac
- Power: 4.0 Kw
- Max. temperature + 980°C (up to +1050°C with optional Incoloy Ds Chamber)
- Encumbrance dimensions:
 - Width 500 mm
 - Depth 750 mm
 - Height 650 mm
 - Weight 85 Kg
- Useful inside dimensions:
 - Width 210 mm
 - Depth 320 mm
 - Height 145 mm

LT/ME-275000/M

- Single phase tension: 220 Vac
- Power: 6.0 Kw
- Max. temperature + 980°C (up to +1050°C with optional Incoloy Ds Chamber)
- Encumbrance dimensions:
 - Width 500 mm
 - Depth 950 mm
 - Height 650 mm
 - Weight 100 Kg
- Useful inside dimensions:
 - Width 210 mm
 - Depth 520 mm
 - Height 145 mm

Accessories Table

Porcelain capsule 45 x 25 mm – 25 ml cap.			
Shallow form dishes 70 x 16 mm – 30 ml cap.			•
Silica/porcelain crucible 50 ml	•	•	
Cover for silica/porcelain crucible 50 ml		•	
Silica/porcelain crucible 100 ml	•		
Silica/porcelain crucible 150 ml	•		
Platinum crucible 50 ml	•	•	
Cover for platinum crucible 50 ml		•	
Platinum crucible 100 ml	•		
Platinum crucible 150 ml	•		
Meker gas burner	•	•	
Mechanical shaker	•		
Filter paper	•		
Balance 220 grams	•	•	•
Drying Oven			•
Desiccator			•
Sieve No.20 (850 µm)			•
Sieve No.60 (250 µm)			•
Sieve No.200 (75 µm)			•

Reagents Table

Propan-2-ol	•
Toluene	•
QC sample	•

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