

## ASH DETERMINATION APPARATUS

### TECHNICAL SPECIFICATIONS

The heat insulation is 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 thermic joilts. Resistors in KANTHAL screened. 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. Natural draught posterior exhaust of the smokes. Control panel is positioned onthe furnace bottom containing a digital visualized thermoregulator and magnetic thermic for protection system.

**Temperature:** from ambient to 1100°C (2012°F)

**Power supply:** 120V 60Hz

**Dimensions:** 40x58x54 cm external

14.5x25x10 cm internal

**Weight:** 40 kg

conform to ASTM D482 ASTM D874 ASTM D4422

#### ASTM D482 IP 4 ISO 6245 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 3987 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 test method is 0.005 mass % sulfated ash.

#### ASTM D4422 ASH IN ANALYSIS OF PETROLEUM COKE



#### ACCESSORIES:

**For ASTM D482 IP 4**  
ANALYTICAL BALANCE

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MEKER LAMP

**For ASTM D874 IP 163**  
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**For ASTM D4422**

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