



MICRO CARBON RESIDUE APPARATUS

Micro Carbon Residue Apparatus TT-4530

Micro Carbon Residue Apparatus TT-4530 adheres to the ASTM D4530 Standard Test Method for Determination of Carbon Residue (Micro Method).

This apparatus is designed to determine the quantity of carbon residue generated after the evaporation and pyrolysis of petroleum materials under specific conditions. It aims to offer an indication of the relative tendency of these materials to form coke.

APPLICATIONS

The primary application of this apparatus is to determine the amount of carbon residue formed from petroleum materials after evaporation and pyrolysis, in compliance with the ASTM D4530 standard.

The test is used to provide an indication of the relative coke-forming tendency of these materials.

FEATURES

- Automatically adjust the nitrogen flow and switch the flow.
- Automated program heating controls the temperature according to the curve and completes all test procedures.
- Features touch screen operation for data printing and saving.
- The apparatus is equipped with a waste gas recycling system to reduce the emission of toxic substances.

TECHNICAL SPECIFICATIONS

1. Rated voltage: AC 220V $\pm 10\%$, 50Hz (110V also available)
2. Heating power: 1500W
3. Coking oven temperature: 500°C
4. Temperature control accuracy: $\pm 2^\circ\text{C}$
5. Number of test holes: 12
6. Flow adjustment range: 100ml to 1000ml; automatic switch between 150ml/min and 600ml/min
7. Ambient requirement: Temperature: 5°C to 40°C, Humidity $\leq 85\%$



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