

EXTRACTION RESIDUES SEDIMENT

SULFONATION

ASTM D1019 (obs) IP 145 (obs) ISO 3840 OLEFINIC PLUS AROMATIC HYDROCARBONS IN PETROLEUM DISTILLATES
This method covers the determination of olefinic plus aromatic hydrocarbons in gasolines, naphthas, kerosenes, and other petroleum distillates that are substantially free from butanes and butenes

Consisting of 4 places shaking machine, centrifuge, 4 standard sulfonation flask 100% graduated 2% (10 ml graduated 0.2ml), 4 buckets with rubber pads, 4 ice water jar.

1200 SULFONATION NUMBER APPARATUS

ACCESSORIES ON REQUEST

2470/BC160	ELECTRONIC BALANCE Range 160 g., readout 0.001, pan Ø110
480/40	CRYOSTAT UP TO -40°C
10-1230	PRECISION FLASK FOR SULFONATION 10 ml., pack of 4 pcs
10-1231	PRECISION FLASK FOR SULFONATION 5 ml., pack of 4 pcs
10-1232	BUCKET FOR PRECISION FLASK, pack of 4 pcs

CONSUMABLES x 2 YEARS

15-1223	POLYURETHANE SUPPORT, pack of 4 pcs x2
15-1233	STANDARD SULFONATION FLASK, pack of 4 pcs
15-1202	ICE WATER JAR, pack of 4 pcs x2

UNSULFONATED RESIDUE

ASTM D483 UNSULFONATED RESIDUE OF PETROLEUM PLANT SPRAY OILS

This test method covers the determination of unsulfonated residue in plant spray oils of petroleum origin and applies only to the petroleum oil content. It provides a measure of the degree of refinement of plant spray oils by determining the extent to which the oil is attacked by 98.61 % sulfuric acid under closely standardized conditions.

Consisting of:

- four places centrifuge model for anti-vibration table, is equipped with a star wheel that has 4 rings swinging up to 90°, max. 2000 rpm speed, 482.6 mm maximum rotation diameter. Speed is regulated electronically and shown on a digital display. Centrifuging time is set by a digital timer which operates an electric brake (that can be excluded) when the test is finished, electric heating (that can be excluded) controlled by digital thermoregulator PID and overtemperature alarm. Max. temperature 80°C. The heater and the brake can be cut out. Lid fitted with safety device which stops the motor when the lid opens
- Structure in painted sheet composed of a water bath in stainless steel for temperatures up to 100°C ± 0.1°, 4 positions shaker with removable media for a fast and easy transfer of sulfonation flask to and from the bathroom, adjustment cycles per minute from 300 to 500 ±10 cycles/min, stopwatch for setting the shaking time,
- 4 Sulfonation flask 50% graduated 0.5% (5 ml graduated 0.05 ml) 50 ±5 ml to base of neck
- 4 buckets with Polyurethane support

CONSUMABLES x 2 YEARS

15-1223	POLYURETHANE SUPPORT, pack of 4 pcs x2
15-1211	SULFONATION FLASK, pack of 4 pcs

ACCESSORIES ON REQUEST

2470/BC160	ELECTRONIC BALANCE Range 160 g., readout 0.001, pan Ø110
1230	WATER/OIL BATH Structure made of stainless steel, temperature regulation by digital thermoregulator PID with PT100 probe class A and overtemperature alarm, stainless steel heater, cooling coil, motor stirrer, insulated double wall, safety internal level for low liquid with warning lamp.

1210 UNSULFONATED RESIDUE

