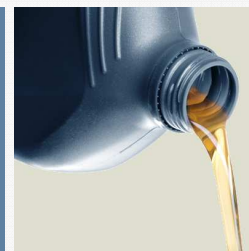


COAL

MILESTONE APPLICATION NOTE FOR ACID DIGESTION SK-PETROCHEMICAL-017



SUMMARY

This method represents a guideline for the microwave acid digestion of Coal samples with the Milestone ETHOS UP and ETHOS EASY systems. This procedure may need to be optimized to match your specific analytical goals.

INSTRUMENTATION

Milestone ETHOS UP or ETHOS EASY microwave units, SK-15 high-pressure rotor, T2 easyTEMP temperature control. Options T1 temperature control and P1 or P2 pressure control.

SAMPLE WEIGHT AND REAGENTS

Sample weight	Up to 200 mg
Reagents 1° Step	10 mL HNO ₃
Reagents 2° Step	2 mL HF



GENERAL PRECAUTIONS

Always use hand, eye and body protection when operating with the microwave system.

MICROWAVE PROGRAM

1° Step

Step	Time	T2	Power*
1	00:10:00	190°C	1800 W*
2	00:15:00	190°C	1800 W*



2° Step

Step	Time	T2	Power*
1	00:20:00	230°C	1800 W*
2	00:15:00	230°C	1800 W*

* POWER SETTINGS

The power of the system must be set according to the table below:

3 or less vessels	800 W
4-8 vessels	1200 W
9-15 vessels	1800 W

Subject to change without notice.
For additional information
please visit www.milestonesrl.com
or contact application@milestonesrl.com

