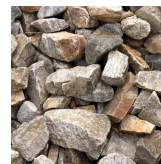


Borosilicate glass fiber

Milestone Application Note for Acid Digestion SK-Geochemistry-060



Summary

This method represents a guideline for the microwave acid digestion of Borosilicate glass fiber 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, T1 temperature control. Options T2 temperature control and P1 or P2 pressure control.



Sample weight and reagents

| | |
|---------------|--|
| Sample weight | Up to 250 mg |
| Reagents | 3 mL HNO ₃ 4 mL HF 3 mL HCl |

Microwave program

| Step | Time | T1 | Power* |
|------|----------|-------|---------|
| 1 | 00:20:00 | 220°C | 1800 W* |
| 2 | 00:15:00 | 220°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 |

General precautions

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

Subject to change without notice.
For additional information please contact
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