

# PbO 68%, ZrO<sub>2</sub> 22%, TiO<sub>2</sub> 10%

Milestone Application Note for Acid Digestion SK-Ceramic-016



## Summary

This method represents a guideline for the microwave acid digestion of PbO 68%, ZrO<sub>2</sub> 22%, TiO<sub>2</sub> 10% 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 200 mg
Reagents	10 mL HNO <sub>3</sub> 250 mg NH <sub>4</sub> F

## Microwave program

Step	Time	T1	Power
1	00:20:00	230°C	1800 W*
2	00:20:00	230°C	1800 W*

Subject to change without notice.  
For additional information please contact  
[application@milestonesrl.com](mailto:application@milestonesrl.com)

## General precautions

\*Use only up to 500 W for runs with 3 or less vessels simultaneously.

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

