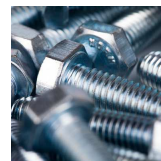


# Ag – Au – Pt – Pd alloy

## Milestone Application Note for Acid Digestion SK-Metal-010



### Summary

This method represents a guideline for the microwave acid digestion of Ag – Au – Pt – Pd alloy 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 500 mg
Reagents	3 mL HNO <sub>3</sub> 1 mL H <sub>2</sub> O <sub>2</sub> 6 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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