

# Fe – V

## MILESTONE APPLICATION NOTE FOR ACID DIGESTION SK-METAL-023



### SUMMARY

This method represents a guideline for the microwave acid digestion of 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 0,2 g                                  |
| Reagents      | 3 mL HNO <sub>3</sub><br>2 mL HF<br>6 mL HCl |



### MICROWAVE PROGRAM

| Step | Time     | T2    | Power*   |
|------|----------|-------|----------|
| 1    | 00:25:00 | 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 |

### GENERAL PRECAUTIONS

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

Subject to change without notice.  
For additional information  
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