



MARS 6™

## Method Note

## Microwave Digestion of Paper Pulp

### Procedure

Weigh 0.5 g (dry weight) of the sample into the digestion vessel. Add 10 mL of HNO<sub>3</sub>. Gently swirl the mixture and wait approximately 15 minutes before closing the vessel.

### Notes

#### Recommended Equipment

MARS 6  
MARS 6 iWave

#### Recommended Vessels

EasyPrep  
EasyPrep Plus  
MARSXpress  
MARSXpress Plus

#### Reagents

HNO<sub>3</sub>

#### Max Sample Weight

0.5 g (Dry Weight)

#### Sample Type

Organic

#### Control Type

Ramp to Temperature

#### Method Type

One Touch

### Heating Program

Stage	Temp (°C)	*Ramp (mm:ss)	Hold (mm:ss)	Pressure (psi)	* Power (W)	Stirring
1	200	15:00	15:00	800	900-1050	Off

\* Ramp times and power may vary depending on the type and number of vessels.

### Results

Sample was clear, colorless, and particle free upon dilution to 50 mL.

### General Precaution

- This procedure is a reference point for sample digestion using a CEM system and may need to be modified or changed to obtain the required results on your sample.
- If using a vessel other than the recommended choice, adjust sample size and pressure limit to values appropriate for the vessel chosen.
- The control / reference vessel must contain the largest and most reactive sample.
- Manual venting of CEM vessels should be performed when wearing hand/eye/body protection and when the vessel contents are at or below room temperature to avoid the potential for chemical burns. Always point the vent hole away from the operator.
- If programming as One Touch, the ramp time and power will be automatically determined based on the number and type of vessels detected.