



### Procedure

Weigh 0.5 g of the sample into the digestion vessel. Add 3 mL of HNO<sub>3</sub> and 9 mL of HCl. Gently swirl the mixture and wait approximately 15 minutes before closing the vessel.

### Notes

HCl should be added slowly and carefully to the sample. Allow any initial reaction to subside before sealing vessel.

This method is considered a leach and may not provide a total digestion.

### Recommended Equipment

MARS 6  
MARS 6 iWave

### Recommended Vessels

EasyPrep  
EasyPrep Plus  
MARSXpress  
MARSXpress Plus

### Reagents

HCl  
HNO<sub>3</sub>

### Max Sample Weight

0.5 g

### 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, with particles 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.