

**Procedure**

Weigh 0.5 g of the sample into the digestion vessel. Add 10 mL of HNO<sub>3</sub>. Gently swirl the mixture and wait approximately 15 minutes to pre-digest before closing the vessel.

**Notes**

This application can only be run in the iPrep vessel.

The pre-digestion step will allow the lighter fuel fractions to react before sealing the vessels.

**Recommended Equipment**

MARS 6 iWave

**Recommended Vessels**

iPrep

**Reagents**

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	240	30:00	20:00	N/A	700-1800	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.
- 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.