



Procedure

Weigh 0.5 g of the sample into the digestion vessel. Add 5 mL HNO₃, 2 mL DIH₂O, and 1 mL HF. Gently swirl the mixture and wait approximately 15 minutes before capping the vessel.

Notes

This method may not provide a total digest of all samples. Hydrofluoric acid will be required to provide complete digestion of some sample matrices.

Recommended Equipment

Discover SP-D 80

Recommended Vessels

80 mL Quartz with Teflon liner

Reagents

HNO₃
DIH₂O
HF

Max Sample Weight

0.5 g

Sample Type / Vent Program

Organic

Control Type

Ramp to Temperature

Heating Program

Stage	Temp (°C)	*Ramp (mm:ss)	Hold (mm:ss)	Pressure (psi)	* Power (W)	Stirring
1	200	5:00	3:00	400	300	Med

* 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.
- If using HF, follow restrictions listed in HF Addendum