



Procedure

Add 1 mL of the sample into the digestion vessel. Add 10 mL of HNO₃. Gently swirl the mixture and wait approximately 15 minutes before capping the vessel.

Notes

The use of HF may be required to digest any silicates found in the sample.

Recommended Equipment

Discover SP-D 80

Recommended Vessels

80 mL Quartz
80 mL Quartz with Teflon liner

Reagents

HNO₃

Max Sample Weight

1 mL

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