



Procedure

Weigh 0.25 g of the sample into the digestion vessel. Add 6.5 mL H₃PO₄ and 3.5 mL H₂SO₄. Gently swirl the mixture and wait approximately 15 minutes before capping the vessel.

Notes

Reducing the particle size increases the efficiency of digestion and may decrease the digestion time.

Recommended Equipment

Discover SP-D 80

Recommended Vessels

80 mL Quartz

Reagents

H₃PO₄
H₂SO₄

Max Sample Weight

0.25 g

Sample Type / Vent Program

Inorganic

Control Type

Ramp to Temperature

Heating Program

Stage	Temp (°C)	*Ramp (mm:ss)	Hold (mm:ss)	Pressure (psi)	* Power (W)	Stirring
1	260	10:00	20:00	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.