



Procedure

Weigh 0.5 g of the sample into the digestion vessel with stir bar. Add 10 mL of HNO₃. Gently swirl the mixture and wait approximately 15 minutes before capping the vessel.

Notes

Some plant tissues contain silicates which would require HF for total dissolution.

Recommended Equipment

Discover SP-D 80

Recommended Vessels

80 mL Quartz
80 mL Quartz with Teflon liner

Reagents

HNO₃

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	4:00	4:00	400	300	Medium

* 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 with deionized water.

General Precaution

a) 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.