



### Procedure

Weigh 0.5 g of the sample into the digestion vessel. Add 10-20 mL HNO<sub>3</sub> (enough to completely cover the pine straw) and 1 mL HF. 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 with Teflon liner

### Reagents

HNO<sub>3</sub>  
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	5:00	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