



### Systems

PHOENIX BLACK

### Equipment

Analytical Balance  
50 mL Quartz Fiber Crucibles  
50 mL Quartz Fiber Crucible Covers  
Tongs  
Gloves

### Sample Preparation

None.

### Procedure

1. Program Phoenix Black using parameters located in "Parameters" section and allow furnace to reach set temperature.
2. Weigh a crucible with crucible cover that has been preashed for at least 10 minutes at set temperature and record weight.
3. Weigh ~2 grams of sample, record weight and cover sample with crucible cover.
4. Place crucible with cover in furnace and ash for designated dwell time.
5. Reweigh crucible containing ash and record weight.
6. Calculate percent ash:

$(\text{Weight of Ashed Sample With Crucible and Cover} - \text{Weight of Crucible and Cover}) / \text{Weight of Sample} \times 100$

### Parameters

Stage	Dwell Time (minutes)	Temperature (°C)	Sample Size (g)
1	20	590	2

### Notes

None.

\*The above parameters are suggested starting points and may need to be modified to meet certain product specifications.