



### Systems

Phoenix BLACK

### Equipment

20 mL Quartz Fiber Crucibles  
Analytical Balance  
Gloves  
Tongs

### Sample Preparation

None.

### Procedure

1. Program a "Standard" method with calculation mode "Ash" in the Phoenix BLACK using parameters located in "Stages" section and allow furnace to reach set temperature.
2. Weigh a crucible that has been preashed for at least 10 minutes at set temperature and record weight.
3. Weigh ~1 gram of sample in crucible and record weight.
4. Place crucible in furnace and ash for designated dwell time.
5. Reweigh crucible containing ash and record weight.
6. Calculate percent ash:  
(Weight of Ashed Sample With Crucible - Weight of Crucible) / Weight of Sample x 100

### Parameters

Stage	Dwell Time (minutes)	Temperature (°C)	Sample Size (g)
1	10	800	1

### Notes

Make sure furnace door is closed tightly to prevent rapid oxidation.

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