



Systems

Phoenix BLACK

Equipment

20 mL Quartz Fiber Crucibles
50 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 50 mL crucible that is on top of an inverted 20 mL crucible (stage) that has been preashed for at least 10 minutes at set temperature and record weight.
3. Weigh ~4 grams of sample in 50mL crucible that is on top of an inverted 20mL crucible and record weight.
4. Place crucible and stage in furnace and ash for designated dwell time.
5. Reweigh crucible containing ash and record weight.
6. Calculate percent ash:
 $(\text{Weight of Ashed Sample With Crucible and Stage} - \text{Weight of Crucible and Stage}) / \text{Weight of Sample} \times 100$

Parameters

Stage	Dwell Time (minutes)	Temperature (°C)	Sample Size (g)
1	15	650	4

Notes

None.

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