



Systems

PHOENIX BLACK

Equipment

Analytical Balance
Spatula
20 mL Quartz Fiber Crucibles
Tongs
Gloves
Desiccator

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 that has been preashed for at least 10 minutes at the set temperature and record weight.
3. Weigh 2 grams of sample 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:

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

Parameters

Stage	Dwell Time (minutes)	Temperature (°C)	Sample Size (g)
1	25	750	2

Notes

None.

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