



Systems

PHOENIX BLACK

Equipment

Analytical Balance
50 mL Quartz Fiber Crucibles
50 mL Quartz Fiber Crucible Liners (disks)
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 liner that has been preashed for at least 10 minutes at set temperature and record weight.
3. Weigh ~3 grams of sample, record weight and cover sample with crucible liner.
4. Place crucible in furnace and ash for designated dwell time.
5. Reweigh crucible containing ash and record weight.
6. Calculate percent ash:

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

Parameters

Stage	Dwell Time (minutes)	Temperature (°C)	Sample Size (g)
1	90	550	3

Notes

None.

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