



### Systems

Phoenix BLACK

### Equipment

50 mL Quartz Fiber Crucible Liners (disks)  
50 mL Quartz Fiber Crucibles  
Analytical Balance  
Gloves  
Tongs

### Sample Preparation

Homogenize liquid eggs using handheld homogenizer.

### 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 with crucible liner that has been preashed for at least 10 minutes at set temperature and record weight.
3. Weigh ~5 grams of sample in crucible lined with the crucible liner 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:

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

### Parameters

Stage	Dwell Time (minutes)	Temperature (°C)	Sample Size (g)
1	30	925	5

### Notes

This method can be used for dried or liquid eggs. Dried egg powders will not require liners.

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