



INTRODUCTION

This method provides for the ashing of the sample in the Milestone Pyro microwave muffle furnace.

EQUIPMENT

Milestone PYRO

Analytical balance (+/- 0.0001 g)

Crucible: quartz/ceramic/metals/quartz fiber

Dissector

Spatula

SAMPLE AMOUNT

2 grams

PROCEDURE

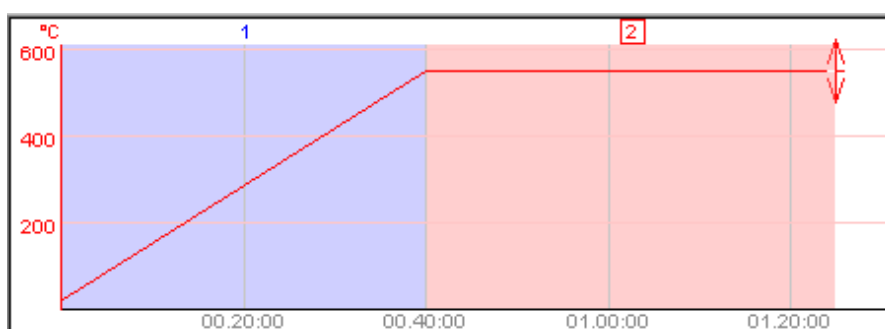
1. Place a clean crucible on the balance plate, tare it and weigh the sample.
2. Place the crucible into the preheated furnace.
3. Remove the crucible from the furnace and cool it in dissector.
4. Place the crucible on the balance plate and take the weigh.
5. Calculate the ash residue.

MICROWAVE PROGRAM

Step	Time (minutes)	Power (watts)	Temperature (°C)
1	40	1200	550
2	45	1200	550

Vent : 20 minutes

TEMPERATURE PROFILE



NOTES

The crucible before use must be at constant weight.

All modifications to the present method must be agreed with Milestone Application Specialist.

This procedure is only a guideline and it may need to be modified or changed to obtain the required results on your sample.

Always use hand, eye and body protection when operating with the microwave system.