



Systems

SAM 255

Equipment

8 cm x 8 cm drying basket
CEM Square Glass Fiber Sample Pads
SAM 255 with Workstation
Spatula

Sample Preparation

None.

Procedure

1. Press the “balance” key.
2. Ensure that the external balance is clear. Press the NEXT key.
3. Wait for the instrument to tare the balance.
4. Using the arrow keys, highlight the first letter or number of the sample identification. Press the SELECT key. Continue highlighting the letters/numbers (23 maximum) of the ID and pressing the SELECT key until the proper identification is displayed on the screen. Note: When entering numbers, the numeric keys can be used.
5. Press the NEXT key.
6. Place the empty sample holder (Teflon screen and 2 glass fiber pads) on the balance pan. Press the NEXT key.
7. Remove Teflon screen and pads from balance and spread sample across pads. Place the screen, pads, and sample back on balance pan. Press the NEXT key.
8. Wait for the balance to weigh the sample.
9. Press the SELECT key and place sample in SAM255. Close door.
10. Press the START key to begin the countdown of the programmed dwell time. The instrument will maintain the programmed temperature during the dwell time.
11. When the dwell time is complete, an audible beep will be heard, signaling the end of the programmed time.
12. Wait for the instrument to measure the weight of the sample holder.
13. Press the “balance” key.
14. Using the arrow keys, highlight Final Weight. Press the SELECT key.
15. Using the arrow keys, highlight the desired sample identification. Press the SELECT key.
16. Ensure that the external balance is clear. Press the NEXT key.
17. Wait for the instrument to tare the balance.
18. Place the sample holder with the dried sample on the external balance pan.
19. Press the NEXT key.

Parameters

Stage	Dwell Time (minutes)	Temperature (°C)	Sample Size (g)
1	20 (70% Power)	100	7