## 1.0 EQUIPMENT NEEDED

Burner Muffle furnace Crucible Crucible holder Desiccator

## 2.0 PROCEDURE

- (1) Weigh the crucible alone. Record this weight before burning.
- (2) Weigh accurately a 5-gram sulfur sample into crucible.
- (3) Heat over burner until sample has finished burning.
- (4) Place in hot muffle furnace for 30 minutes.
- (5) Remove and cool in desiccator.
- (6) Weigh to find total weight after burning, and use the formula below to calculate % Ash.

Ash % = (Total weight after burning - weight of crucible) x 100 5-gram original sample weight