

QUALITY WORK INSTRUCTIONS (QWI) SULFUR ANALYSIS PROCEDURE MELTING POINT – TM 6

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1.0 EQUIPMENT NEEDED

Mortar and pestle
Capillary tubes (one end closed by melting)
Thermometer with 100 to 130°C range and 0.1° graduation
Melt – Temp I I melting point apparatus

2.0 PROCEDURE

- (1) Crush sample to fine powder using mortar and pestle
- (2) Poke the open end of a capillary tube into the sample. Tap the closed end of the tube against a hard surface so that sample accumulates at the bottom of the tube. Repeat until sample occupies the bottom 1/8" of the tube.
- (3) Place the capillary tube into the melting point apparatus.
- (4) Adjust the dial such that the temperature rise is less than 1.0° every 2 minutes.
- (5) Observe the sample and record the temperature at which the sample begins to melt.