

## IN-HOUSE PROCEDURE # \_\_\_\_\_

### PROCEDURE FOR VERIFYING SULFATE SOUNDNESS TEMPERATURE RECORDER

Item:

Sulfate Soundness Temperature Recorder

Purpose:

This method provides instructions for checking the temperature readings of a temperature recorder.

Inspection Equipment Required:

1. Reference Thermometer – NIST certified readable to 0.1 °C (0.2 °F).

Tolerance:

Equipment shall meet the tolerances specified in AASHTO T 104.

Procedure:

1. Position the reference thermometer in a readable position in the liquid bath as close as possible to the temperature recorder probe.
2. Allow at least 5 minutes for stabilization.
3. Record the temperature of the reference thermometer and the temperature recorder reading.
4. The temperature recorder reading must be within  $\pm 0.3$  °C (0.5 °F) of the reference thermometer reading. If not, adjust the temperature recorder to within 0.15 °C of the reference thermometer reading and repeat the test.