

IN-HOUSE PROCEDURE # _____

PROCEDURE FOR VERIFYING MARSHALL TEST PRESSES

Item:

Marshall Test Press

Purpose:

This method provides instructions for verifying the loading rate and load for a Marshall Test Press using a calibrated spring.

Inspection Equipment Required:

1. Calibrated spring and cap
2. Chart paper for the calibrated spring

Tolerance:

Equipment shall meet the tolerances specified in the applicable test method.

Procedure:

1. Turn the machine on and allow at least 5 minutes for warm up.
2. Select a range of 2500 lb.
3. Uncap the pen and place into position.
4. Position the chart paper against the bottom stop and the right side bar of the recorder. Use the ZERO knob and pen switch to verify that the pen is zeroed on the chart paper.
5. Place the spring on the test press platen against the stop screws. Align the center punch marks on the cap and spring and turn the spring so that the marks are facing the operator.
6. Press the UP button to start a test.
 - A plot that falls close to the center of the two reference lines indicates that the machine is operating correctly.
 - A plot that falls near or outside the reference lines, may indicate that the load cell requires calibration, the recorder system needs adjustment, or that the chart paper being used is faulty.
7. Press the DOWN button to return the platen to its starting position.