



Test Monitoring Center

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Ball Rust Test Information Letter 03-1
Sequence No. 1

April 21, 2003

ASTM consensus has not yet been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.

TO: Ball Rust Test Mailing List

SUBJECT: 1. Specifications for Calibration Reference Specimen
2. Removal of Warnings

1. Recently, the Ball Rust Test Surveillance Panel approved a change to Test Method D6557 to require that the average gray value of the Calibration Reference Specimen at the start of the image analysis be 135 ± 2 . Also, the difference between readings taken at the start and end of the image analysis is to be no greater than 3 area gray value units. Section 11.6.3.1 has been added to Test Method D6557 and is attached.

2. Editorial changes were also made to remove the word **Warning** from a number of sections. Sections 8.1.1, 8.1.3, 8.2.1.1, 11.1.2 and 11.1.5 have been revised and are attached.

These changes are effective the date of this information letter.

Joe Franklin
Chairman
Ball Rust Test Surveillance Panel

John L. Zalar
Administrator
ASTM Test Monitoring Center

Attachment

c: ftp://ftp.astmtmc.cmu.edu/docs/bench/brt/procedure_and_ils/brt03-1-1.pdf

Distribution: Email

(Revises Test Method D6557-00)

8.1.1 Remove the appropriate number of specimens from the vacuum-sealed packages, into a 4-oz bottle (clear, medium round with cap). Add sufficient heptane (see 7.1.3), approximately 2 oz, to cover specimens.

8.1.3 Rinse two more times with heptane and follow with an acetone (see 7.1.2) rinse to ensure the specimens are free of contamination. Dry the specimens with nitrogen for 3 min.

8.2.1.1 Use compressed air (For technical use only.), 50 psig minimum, to remove most of the water/oil emulsion that may be trapped inside the short lengths of capillary tubing. Clean the tubing with heptane (see 7.1.3), followed by acetone (see 7.1.2), and dry with compressed air.

11.1.2 Swirl each specimen in a 400-mL beaker containing heptane (see 7.1.3) to remove most of the absorbed oil layer.

11.1.5 Put enough organic solvent (see 7.1.4) (See Table 1, Footnotes A through C.) into the tray to cover the specimens, and soak the specimens for 10 min, to remove any remaining organic deposits, before decanting the solvent.

11.6.3.1 The average gray value for the Calibration Reference Specimen at the start of the image analysis shall be 135 ± 2 . The average gray values for the Calibration Reference Specimen at the start and end of the image analysis shall not differ by more than 3.