

Colorado Procedure – Laboratory 2215

Standard Method of Test for

Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin Film Oven Test)

(This procedure is used in conjunction with AASHTO T 240-08.)

7. PROCEDURE

NOTE: Replace Subsection 7.6 of AASHTO T 240 with the following:

7.6 With the oven at operating temperature, arrange the containers holding the asphalt in the carriage so that the carriage is balanced. Fill any unused spaces in the carriage with empty containers. Close the door and rotate the carriage assembly at a rate of 15 ± 0.2 R/min. Start the airflow at a set rate of 4000 ± 300 ml per minute corrected to standard barometric pressure and temperature. Maintain the samples in the oven with the air flowing and the carriage rotating for 85 minutes. The test temperature $163^{\circ}\text{C} \pm 0.5^{\circ}$ ($325^{\circ}\text{F} \pm 1^{\circ}$) shall be reached within the first 10 minutes – otherwise discontinue the test.