

**DRAINDOWN CHARACTERISTICS
IN
UNCOMPACTED ASPHALT MIXTURES
AASHTO T 305**

APPARATUS

- [] Balance, sufficient capacity for sample, readable to 0.1 g or better, in accordance with AASHTO M 231
- [] Forced draft oven, capable of maintaining the temperature in a range from 250 - 350°F. Set temperature maintained to within $\pm 3.6^\circ\text{F}$.
- [] Plates or other suitable containers of appropriate size, with durability to withstand the oven temperatures
- [] Standard Basket, 165 ± 16.5 mm deep, 108 ± 10.8 mm wide, with a basket bottom 25 ± 2.5 mm from the bottom of the wire basket assembly. Basket constructed using standard 6.3 mm sieve cloth as specified in AASHTO M 92
- [] Spatulas, trowels, mixer, and bowls as needed

PROCEDURE

- [] Duplicate samples obtained from a truck at the plant in accordance with ITM 580
- [] Samples reduced to test sample size by ITM 587
- [] Sample placed in a tared wire basket. Sample not consolidated or otherwise disturbed after transferred to basket
- [] Weight of sample determined to the nearest 0.1 g. Sample has not cooled more than 77°F below test temperature
- [] Weight of plate or other suitable container determined to nearest 0.1 g
- [] Basket placed on plate or container and assembly placed into oven at the plant production temperature for $1 \text{ h} \pm 5 \text{ min}$. (If sample has cooled more than 77°F below test temperature, the test should be conducted for $70 \pm 5 \text{ min}$.)
- [] After designated time in oven, basket and plate or container removed and the weight of plate or container determined to nearest 0.1 g

CALCULATIONS

[] Percent of mixture that drained determined as follows:

$$\text{Drainage, \%} = \frac{A - B}{C} \times 100$$

where:

- A = Final weight of plate or container, g
- B = Initial weight of plate or container, g
- C = Initial total sample weight, g

[] Average of two tests determined

- NA - Not Applicable
- X - Requires Corrective Action
- √ - Satisfactory

Acceptance Technician

INDOT

Date

Comments: _____

