

**TOTAL MOISTURE CONTENT
OF
AGGREGATE BY DRYING
AASHTO T 255**

APPARATUS

- Balance, sufficient capacity for sample, readable to 0.1 g or better, in accordance with AASHTO M 231
- Heat Source
 - Ventilated oven maintained at $230 \pm 9^{\circ}\text{F}$
 - Electric or gas hot plate
 - Electric heat lamps
 - Ventilated microwave oven
- Sample Container
 - Not affected by heat
 - Sufficient volume to contain sample
 - Such shape that depth of sample does not exceed 1/5 of least lateral dimension

PROCEDURE

- Weight of sample as follows (Samples larger than capacity of balance may be divided into suitable increments, tested, and the results combined)

Nominal Maximum Aggregate Size	Minimum Weight of Sample, g
3/8 in.	1500
1/2 in.	2000
3/4 in.	3000
1 in.	4000
1 1/2 in.	6000

- Loss of moisture avoided prior to weighing
- Sample weighed
- When sample is heated by means other than oven, sample is stirred (stirring optional for microwave oven)
- Sample dried to constant weight (Note 1) and weighed

Note 1 -- Constant weight is defined as the weight at which further drying at the required drying temperature does not alter the weight by more than 0.1 percent.

CALCULATIONS

[] Total moisture content is calculated to the nearest first decimal place (0.0) as follows:

$$\text{Total Moisture Content, \%} = \frac{W - D}{D} \times 100$$

where:

W = weight of original sample, g

D = weight of dried sample, g

NA - Not Applicable

X - Requires Corrective Action

√ - Satisfactory

Acceptance Technician

INDOT

Date

Comments: _____
