

**ASPHALT IN-HOUSE CALIBRATION PROCEDURE # 9
TAG OPEN-CUP APPARATUS FOR FLASH POINT OF CUTBACK ASPHALT**

EQUIPMENT CHECKED: TAG OPEN-CUP APPARATUS FOR FLASH POINT OF CUTBACK ASPHALT (AASHTO T 79) (ASTM D 3143)

1. SCOPE

- 1.1 This procedure gives instructions for checking the equipment for performing the flash point of cutback asphalts with tag open-cup.

2. APPARATUS

Inspection Equipment Required:

1. Caliper, readable to 0.001 in.
2. Balance, readable to 0.001 g

Tolerance:

Equipment shall meet the tolerances specified in the test methods T 79 and D 3143.

3. PROCEDURE

Cup:

- 3.1 Following the illustration in test method T 79 or D 3143, measure and record, to the nearest 0.1 mm., the outer diameter at the base of ring.
- 3.2 Using a balance, readable to 0.001 g., weigh the tag glass cup and record the result to the nearest 1.0 g.
- 3.3 Measure and record, to the nearest 0.1 mm, the cup's overall height.
- 3.4 Measure and record, to the nearest 0.1 mm, the distance between the bottom of the retaining ring and the top of the cup rim.

Leveling Device:

- 3.5 Following the illustration in test method T 79 or D 3143, measure and record the thickness.
- 3.6 Measure and record the distance between the two projections to the nearest 0.1 mm.
- 3.7 Measure and record the length of the two projections to the nearest 0.01 mm.
- 3.8 Measure and record the diameter of the larger of two holes to the nearest 1.0 mm.
- 3.9 Measure and record, to nearest 0.1 mm., the distance from the smaller hole to the bottom of the level.