1. SCOPE

1.1 Description of Test

This method covers the quantitative determination of residue and oil distillate in asphalt emulsions composed principally of asphalitic base, water and an emulsifying agent. This method can also be used to obtain asphalitic base for further testing.

2. APPARATUS AND MATERIALS

2.1 Equipment Required

See ATM D244. Note: use only the straight-walled aluminum alloy still. Check the cover and flanges periodically for flatness to ensure a perfect seal. Use composition gaskets approximately 1 mm thick between the still and its cover.

3. PROCEDURE

3.1 Test Procedure

See ASTM D244 with the following modifications.

Wash the stills after use with petroleum solvent, rinse twice with trichlorethane or similar solvent and allow to dry thoroughly before reuse.

Time of distillation shall be 60 ± 10 minutes. Maintain the final temperature of 260°C ± 5°C accurately for 15 minutes.

Pour the contents of still immediately, at or above 205°C into other test apparatus for further testing. Such test apparatus should be readied and preheated if required. Residue shall not be poured through a sieve.

4. RESULTS AND CALCULATIONS

4.1 Reporting Results

Express the oil portion of the distillate (volume measurement) as a percentage of the emulsion.
EMULSIFIED ASPHALT                                    RESIDUE AND OIL DISTILLATE BY DISTILLATION

APPROVAL SHEET

New __ Revision ___X___ Date of Previous Document 86-04-04
Effective Date: __-__

Description of Revision (Reason for Revision):
- Format of test procedure updated.

Review/Implementation Process:
- Reviewed by the Materials Section of the Technical Standards and Policies Branch.

Other Manuals/Policies Affected:
Nil

Follow Up/Training Required:
Nil

Comments/Concerns/Implications (Budget/Environment/Stakeholders):

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Electronic File Updated - -
Update Mailed  - -