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# **Standard Practice for Recovering Residue from Emulsified Asphalt Using Low- Temperature Evaporative Techniques**

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**AASHTO Designation: R 78-22<sup>1</sup>**

Technically Revised: 2022

**Technical Subcommittee: 2a, Emulsified Asphalts**



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# Recovering Residue from Emulsified Asphalt Using Low-Temperature Evaporative Techniques

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## 1. SCOPE

- 1.1. This practice covers two methods for recovering the residue from emulsified asphalts such as those specified in M 140 and M 208, using low-temperature evaporative techniques that are similar to pavement conditions. The recovered residue can be used for further testing as required.
- 1.2. The values stated in SI units are to be regarded as the standard.
- 1.3. *This standard may involve hazardous materials, operations, and equipment. This standard does not purport to address all of the safety concerns associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

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## 2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
- M 140, Emulsified Asphalt
  - M 208, Cationic Emulsified Asphalt
  - M 339M/M 339, Thermometers Used in the Testing of Construction Materials
  - T 59, Emulsified Asphalts
- 2.2. *ASTM Standards:*
- E1, Standard Specification for ASTM Liquid-in-Glass Thermometers
  - E145, Standard Specification for Gravity-Convection and Forced-Ventilation Ovens
  - E230/E230M, Standard Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples
  - E2877, Standard Guide for Digital Contact Thermometers
- 2.3. *French Standard Institute:*
- NF EN 13074, Recovery of Binder from Bitumen Emulsions by Evaporation
- Note 1**—The EN 13074 Standard is published and distributed through AFNOR (French Standard Institute) and is available online at [www.afnor.fr](http://www.afnor.fr).
- 2.4. *International Electrotechnical Commission Standard:*