

Laboratory Assessment Preparation List

General Assessment Guidance: This document is intended to provide guidance for laboratories preparing for an AASHTO re:source On-Site Laboratory Assessment, specifically with regard to the preparation and availability of materials required for demonstration of the test method(s). Preparing for the assessment will improve the efficiency, productivity, and benefit of the assessment for the laboratory.

This document does not address all of the apparatus and procedural requirements which may be evaluated during the assessment. Please consult the applicable AASHTO or ASTM standard for specific requirements. The laboratory may elect to demonstrate the AASHTO, ASTM, or both versions of the test method. The laboratory should be prepared to present required apparatus and to perform the test method in its entirety. Please contact us at (240) 436-4900 if your laboratory has additional questions with regard to preparing for the On-Site Assessment.

AASHTO	ASTM	Emulsion Assessment Preparation
T59	D6929	<u>Freezing of Emulsified Asphalts</u> - Have an emulsion sample ready to pour and the freezer at temperature. Have a second sample that has been through one cycle.
T59	D6930	<u>Settlement and Storage Stability</u> - Have an emulsion sample ready to pour. If you are scheduled for a one-day assessment and the emulsion sample requires the full 24-hours to settle due to the type of material, please have a sample already prepared in the cylinder(s).
T59	D6933	<u>Sieve Test</u> - Have an emulsion sample ready to pour and the bath at temperature. Have the appropriate rinsing solutions available to use during the demonstration.
T59	D6934	<u>Residue by Evaporation</u> - Have an emulsion sample ready to pour.
T59	D6935	<u>Cement Mixing Test</u> - Have an emulsion sample and cement sample ready to mix. Residue by distillation or evaporation should be determined prior to completing the cement mixing test. Be prepared to perform the calculation for dilution or have records available for review.
T59	D6936	<u>Demulsibility</u> - Have an emulsion sample ready. Have both demulsibility solutions available. Residue by distillation or evaporation should be determined prior to completing the cement mixing test. Be prepared to perform the calculation or have records available for review.
T59	D6937	<u>Density of Emulsified Asphalts</u> - Have an emulsion sample ready and the bath at temperature. Be prepared to perform the calculation or have records available for review.
T59	D6997	<u>Residue by Distillation</u> - Have an emulsion sample ready and the apparatus assembled. Be prepared to reach the correct temperatures and holding times for the duration of the test. Be prepared to demonstrate the calculation or have records available for review.
T59	D6998	<u>Aggregate Coating</u> - Have an emulsion sample and aggregate sample ready for mixing.
T59	D7402	<u>Particle Charge</u> - Have an emulsion sample ready and the bath preheated. Be able to demonstrate the procedure and electrode cleaning.
T59	D7496	<u>Saybolt Viscosity at 25°C and 50°C</u> - Have emulsion samples ready and baths preheated. Be prepared to demonstrate testing at each requested temperature. Please have the reference fluid and associated documents available for review.
T382	D7226	<u>Paddle Viscometer at 25°C and 50°C</u> - Have emulsion samples at the testing temperature(s), the machine and apparatus preheated, and the bath at temperature (if applicable). Be prepared to demonstrate testing at each requested temperature. Please have the certified reference fluid used for calibration and records of the equipment calibration.