Laboratory Assessment Preparation List

***General Assessment Guidance**: This document is intended to provide guidance for laboratories preparing for an AMRL 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 AMRL at (240) 436-4900 if your laboratory has additional questions with regard to preparing for the On-Site Assessment.

AASHTO	ASTM	Asphalt Cement Assessment Preparation
R28	**D6521**	Have an RTFO-conditioned sample ready to load into the PAV. If you are scheduled for a one day assessment, please have a sample ready to depressurize in the morning and the assessor will watch an additional sample being loaded in the afternoon. Be able to obtain the temperature and pressure records for the test.
R29		Have records of determining the grade of an unknown binder and/or records of verifying the nominal grade of an asphalt binder.
T44	**D2042** **D7553**	Have an asphalt sample ready to pour and the vacuum system apparatus assembled.
T48	**D92**	Have an asphalt sample ready to pour and the flash tester assembled. Be prepared to maintain the proper temperature rates and have a method for checking atmospheric pressure available.
T49	**D5**	Have an asphalt sample ready to pour and the bath at temperature. Be able to explain additional procedures followed for penetration values over 200.
T50	**D139**	Have an asphalt sample ready to pour and baths at temperature. Have float depth immersion records available for review.
T51	**D113**	Have an asphalt sample ready to pour and baths at temperature.
T53	**D36**	Have an asphalt sample ready to pour. Be prepared to maintain the proper temperature rates.
T55	**D95**	Have an asphalt sample ready to pour and the apparatus assembled. Be prepared to maintain drip rates.
T78	**D402**	Have a cut-back sample ready to pour and the apparatus assembled. Be prepared to maintain drip rates.
T79	**D3143**	Have an asphalt sample ready to pour and the flash tester assembled. Be able to demonstrate the test with the proper temperature rates and have a method for checking atmospheric pressure.
T179	**D1754**	Have an asphalt sample ready to pour and the oven at temperature. Please note the assessor will have to shut the oven off to measure inside dimensions: please plan your testing schedule accordingly.
T201 **T202**	**D2170** **D2171**	Have an asphalt sample ready to pour and both the bath and oven at temperature. Please select an appropriate viscometer and have the calibration factor available for review.

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AASHTO	ASTM	Asphalt Cement Assessment Preparation (Continued)
T228	**D70**	Have an asphalt sample ready to pour and the bath at temperature.
T240	**D2872**	Have an asphalt sample ready to pour and the oven at temperature. Please note the assessor will have to shut the oven off to measure inside dimensions; please plan your testing schedule accordingly.
T295	**D3142**	Have an asphalt sample ready to pour and the appropriate hydrometer selected for the test.
T300		Have an asphalt sample ready to pour and baths at temperature.
T301	**D6084**	Have an asphalt sample ready to pour and baths at temperature.
T313	**D6648**	Have a PAV-aged sample ready to pour and the bath at temperature. Please be able to print the test results at the completion of testing.
T314	**D6723**	Have a PAV-aged sample ready to pour and the bath at temperature. Please be prepared to print the test results at the completion of testing.
T315	**D7175**	Have an asphalt sample ready to pour. Please note that demonstration using both the 25 mm plate and the 8 mm plate are required. Choose either an un-aged binder sample or an RTFO-aged binder sample for 25 mm plate demonstration. Please have all calibration records, the reference thermometer, portable thermometer, and all certified reference fluids available for review. Be prepared to print the test results at the completion of testing.
T316	**D4402**	Have an asphalt sample ready to pour and the machine and apparatus preheated. Be able to present the certified reference fluid used for calibration.
	D243	Have a residue sample ready to pour and the bath at temperature.
	D3289	Have an asphalt sample ready to pour.
	D5801	Have an asphalt sample ready to pour.
	D7405	Have a sample ready to pour and the bath at temperature. Please be able to print the test results at the completion of testing.

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