



AASHTO Accreditation Policy on PSP Participation – Asphalt Mixture Programs

How to use these tables:

The following tables show the standard test methods included in each AASHTO re:source and Asphalt Mixture proficiency sample. Each line item in the table includes a number that corresponds to an accreditation policy related to participation in the proficiency sample program for each standard test method. Each reference sample-specific policy is shown under each table.

A notation of a dash (-) means that the normal policies apply, and there are no additional sample-specific policies for that test method. The general policies related to proficiency testing are in the AASHTO Procedures Manual for the Accreditation of Construction Materials Testing Laboratories.

The following policies apply to all standard test methods and all samples:

- Laboratory accreditation is suspended when any combination of ratings of 0, 1, or -1 and no results occur on samples for a test property (line item on a proficiency sample report) on consecutive sample rounds.
- Laboratory accreditation is not suspended for low ratings or no data on single operator precision results.
- If the standard test method is included in more than one proficiency sample, laboratory participation will be evaluated separately for each proficiency sample (ex. low ratings/no results on AASHTO T30 on Hot-Mix Solvent samples and satisfactory ratings on AASHTO T30 on Hot-Mix Ignition samples will still result in a T30 suspension due to the low ratings on the Hot-Mix Solvent samples.) If there is an exception to this rule, it will be noted in the sample-specific policies.
- If a test property's ratings are suppressed, the round is invalid. All participation rules for consecutive ratings apply to the last round that included ratings.
- * These test properties, while assigned ratings, are for informational purposes only and not used for accreditation purposes.

For more details on Proficiency Sample Policies, please review the [AASHTO Accreditation Policy and Guidance on Suspension, Revocation, and Reinstatement Resulting from Proficiency Samples Issues](#).

The following pages describe the proficiency sample-specific policies.



AASHTO Accreditation Policy on PSP Participation – Asphalt Mixture Programs

Asphalt Mixture Marshall Design (MAR)				
AASHTO	ASTM	Test Name	Test Property	Policy
T209	D2041	Maximum Specific Gravity of Asphalt Mixtures	Specific Gravity	-
T166	D2726	Bulk Specific Gravity of Asphalt Mixtures	Specific Gravity	1, 2
T331	D6752	Bulk Specific Gravity of Asphalt Mixtures (Vaccum Sealing)	Specific Gravity	1, 2
T269	D3203	Percent Air Voids in Bituminous Paving Mixtures	Percent Air Voids (Using T166/D2726)	1, 3
			Percent Air Voids (Using T331/D6752)	1, 3
R68	D6926	Specimen Preparation by Marshall Compaction	-	4
-	D3549	Height of Compacted Asphalt Mixture Specimens	Average Specimen Height	5
T245	D6927	Stability and Flow of Hot Mix Asphalt	Average Stability	6
			Average Flow	

Asphalt Mixture Marshall Design (MAR) Policies

- 1** No action to be taken if laboratory does not submit data for this test and the laboratory is accredited for the (cores) variation of the bulk specific gravity tests.
- 2a** If a laboratory is accredited for T166/D2726 and T331/D6752, the laboratory must submit results for both tests in order to maintain accreditation for both tests.
- 2b** If low scores result in a suspension of T166/D2726, accreditation for T275/D1188 will be suspended as well.
- 3a** A laboratory that only compacts samples using T312/D6925 is not required to enroll in the HVM or MAR programs only for T269/D3203.
- 3b** If a laboratory is accredited for T166/D2726 and T331/D6752, the laboratory must submit results for air voids using the underlying data from both bulk specific gravity determinations.
- 4** Practice R68/D6926 does not yield a test result or rating; however, if a laboratory is accredited for this practice and subsequent tests, participation in MAR is required.
- 5a** Low ratings on height measurement will result in a suspension of R68/D6926 and D3549 since they can be an indication of an error in the compaction process and/or the measurement itself.
- 5b** A laboratory that prepares samples for T283/D4867 using T312/D6925 is not required to enroll in the MAR program only for D3549.
- 6** Once negative action has occurred on one test value (stability or flow), satisfactory results are needed on all test values (stability and flow).



AASHTO Accreditation Policy on PSP Participation – Asphalt Mixture Programs

Asphalt Mixture Gyratory Design (HMG)				
AASHTO	ASTM	Test Name	Test Property	Policy
T100	-	Specific Gravity of Mineral Filler	Specific Gravity	1
T209	D2041	Maximum Specific Gravity of Asphalt Mixtures	Specific Gravity	3
T166	D2726	Bulk Specific Gravity of Asphalt Mixtures	Dry Mass of Specimen Prior to Performing Bulk Specific Gravity	*
			Specific Gravity	2, 3, 4
T331	D6752	Bulk Specific Gravity of Asphalt Mixtures (Vacuum Sealing)	Specific Gravity	2, 3, 4
T312	D6925	Hot Mix Asphalt Superpave Gyratory Compactor	Specimen Height after 8 Gyrations	5
			Specimen Height after 100 Gyrations	
			Percent of Maximum Specific Gravity after 8 Gyrations (T166/D2726)	
			Percent of Maximum Specific Gravity after 100 Gyrations (T166/D2726)	
			Percent of Maximum Specific Gravity after 8 Gyrations (T331/D6752)	
			Percent of Maximum Specific Gravity after 100 Gyrations (T331/D6752)	

Asphalt Mixture Gyratory Design (HMG) Policies

- 1** This method will be listed in the aggregate scope if a laboratory is accredited for R35. If a laboratory is also accredited for T100 in the soils scope, the laboratory must also perform T100 testing on Soil Classification and Compaction samples.
- 2** No action to be taken if laboratory does not submit data for this test and the laboratory is accredited for the (cores) variation of the bulk specific gravity tests.
- 3** The HMG sample does not include T269/D3203 directly; however, if accreditation for any of the prerequisite test methods for T269/D3203 is revoked or withdrawn, T269/D3203 will be revoked or withdrawn.
- 4a** If a laboratory is accredited for T166/D2726 and T331/D6752, the laboratory must perform both tests in order to maintain accreditation for both tests.
- 4b** If low ratings result in a suspension of T166/D2726, accreditation for T275/D1188 will be suspended as well.
- 5a** Once negative action has occurred on one test value (height or percent maximum specific gravity), satisfactory results are needed on all test values (height and percent maximum specific gravity).
- 5b** If a laboratory is accredited for T166/D2726 and T331/D6752, the laboratory must submit results for percent maximum specific gravity using the underlying data from both bulk specific gravity determinations.



AASHTO Accreditation Policy on PSP Participation – Asphalt Mixture Programs

Asphalt Mixture Hveem Design by California Kneading Compactor (HCA)				
AASHTO	ASTM	Test Name	Test Property	Policy
T209	D2041	Maximum Specific Gravity of Asphalt Mixtures	Specific Gravity	-
T166	D2726	Bulk Specific Gravity of Asphalt Mixtures	Specific Gravity	1, 2
T331	D6752	Bulk Specific Gravity of Asphalt Mixtures (Vacuum Sealing)	Specific Gravity	1, 2
T269	D3203	Percent Air Voids in Bituminous Paving Mixtures	Percent Air Voids	5
T247	D1561	Specimen Preparation by California Kneading Compactor	-	3
T246	D1560	Resistance to Deformation and Cohesion by Hveem Apparatus	Specimen Height	4
			Stabilometer Vaule Uncorrected	
			Stabilometer Vaule Corrected	

Asphalt Mixture Hveem Design by California Kneading Compactor (HCA) Policies

- 1** No action to be taken if laboratory does not submit data for this test and the laboratory is accredited for the (cores) variation of the bulk specific gravity tests.
- 2a** If a laboratory is accredited for T166/D2726 and T331/D6752, the laboratory must perform both tests in order to maintain accreditation for both tests.
- 2b** If low scores result in a suspension of T166/D2726, accreditation for T275/D1188 will also be suspended.
- 3** Practice T247/D1561 does not yield a test result or rating; however, if a laboratory is accredited for this practice and subsequent tests, participation in HCA is required.
- 4** Low ratings/no results on corrected or uncorrected will result in a suspension.
- 5** A laboratory that only compacts samples using T312/D6925 is not required to enroll in the Hveem or MAR programs only for T269/D3203.



AASHTO Accreditation Policy on PSP Participation – Asphalt Mixture Programs

Asphalt Mixture Hveem Design by 4-inch Gyratory Compaction (HCO)				
AASHTO	ASTM	Test Name	Test Property	Policy
T209	D2041	Maximum Specific Gravity of Asphalt Mixtures	Specific Gravity	-
T166	D2726	Bulk Specific Gravity of Asphalt Mixtures	Specific Gravity	1, 2
T331	D6752	Bulk Specific Gravity of Asphalt Mixtures (Vacuum Sealing)	Specific Gravity	1,2
T269	D3203	Percent Air Voids in Bituminous Paving Mixtures	Percent Air Voids	3
State Standard				
CP-L 5115		Specimen Preparation by 4-inch Gyratory Compactor	Specimen Height	-
CP-L 5106		Resistance to Deformation and Cohesion by Hveem Apparatus	Stabilometer Vaule Uncorrected	4
			Stabilometer Vaule Corrected	

Asphalt Mixture Hveem Design by 4-inch Gyratory Compaction (HCO) Policies

- 1** No action to be taken if laboratory does not submit data for this test and the laboratory is accredited for the (cores) variation of the bulk specific gravity tests.
- 2a** If a laboratory is accredited for T166/D2726 and T331/D6752, the laboratory must perform both tests in order to maintain accreditation for both tests.
- 2b** If low scores result in a suspension of T166/D2726, accreditation for T275/D1188 will also be suspended.
- 3** A laboratory that only compacts samples using T312/D6925 is not required to enroll in the Hveem or MAR programs only for T269/D3203.
- 4** Low ratings/no results on corrected or uncorrected will result in a suspension.



AASHTO Accreditation Policy on PSP Participation – Asphalt Mixture Programs

Hamburg Wheel Track (HWT)				
AASHTO	ASTM	Test Name	Test Property	Policy
T312	D6925	Hot Mix Asphalt Superpave Gyratory Compactor	Average Number of Gyration to Achieve 62mm Specimen Height	*
T166	D2726	Bulk Specific Gravity of Asphalt Mixtures	Dry Mass of Specimen Prior to Performing Bulk Specific Gravity	*
			Average Bulk Specific Gravity	*
T269	D3203	Percent Air Voids in Bituminous Paving Mixtures	Percent Air Voids	*
T324	-	Hamburg Wheel Track Test	Rut Depth at 5000 Passes	1
			Rut Depth at 10000 Passes	
			Rut Depth at 15000 Passes	
			Rut Depth at 20000 Passes	
			Stripping inflection point (SIP) (Suppressed)	-
			Rut Depth at Stripping Inflection Point (SIP) (Suppressed)	-
			Number of Passes to Failure (Suppressed)	-

Hamburg Wheel Track (HWT) Policies

- 1a** Once negative action has occurred on one test value, satisfactory results are needed on all test values to be reinstated.
- 1b** Not all HWT samples will reach the required number of passes before failure. If negative action occurs and the laboratory chooses to test a blind sample, that sample shall be one that includes ratings for the parameter on which the laboratory received low ratings.