AB and YT Asphalt Laboratory Certification Programs
(Updated 2025 May)

Certification Programs	
1. Basic Asphalt Certification, Asphalt Mix Compliance - Marshall Method (Type B)	**ASTM/AASHTO/ATT/AI**
Compulsory: Partial Mix Compliance	
Preparation of Asphalt Mixture Specimens Using Marshall Apparatus	D6926
Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures	D2726
Bulk Specific Gravity and Density of Compacted Asphalt Mixtures Using Coated Samples (if required) Or	D1188
Bulk Specific Gravity and Density of Compacted Asphalt Mixtures Using Automatic Vacuum Sealing Method (if required)	D6752
Percent Compaction, Asphalt Concrete Pavement	ATT-67
Percent VMA in Compacted Mixture	MS-2
Optional: Full Mix Compliance - No Additional Fees	
Theoretical Maximum Specific Gravity and Density of Bituminous Asphalt Mixtures	D2041
Percent Air Voids in Compacted Asphalt Mixtures	D3203
Marshall Stability and Flow of Asphalt Mixtures	D6927
AC Determination - Select at least one of the two methods	
Quantitative Extraction of Asphalt Binder from Asphalt Mixtures	D2172
Asphalt Content of Asphalt Mixture by Ignition Method	D6307
Gradation of Extracted Aggregate	
Mechanical Size Analysis of Extracted Aggregate	D5444
Additional Asphalt Certification Programs	
2. Asphalt Mix Compliance Laboratory Superpave Method (Type B) Must also participate in ALL of the Compulsory and Optional Mix Compliance Asphalt Certification, Number 1 above	
Preparing & Determining the Density of Asphalt Mixture Specimens by Means of the Superpave Gyratory Compactor	T312
Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures	D2726
Theoretical Maximum Specific Gravity and Density of Bituminous Asphalt Mixtures	D2041
Percent Air Voids in Compacted Asphalt Mixtures	D3203
3. Asphalt Mix Design Laboratory Marshall Method (Type A) Must also participate in ALL of the Compulsory and Optional Mix Compliance Asphalt Certification, Number 1 above	
Reducing Samples of Aggregate to Testing Size	C702
Minerals Finer than 75-µm (No.200) Sieve in Mineral Aggregates by Washing	C117
Sieve Analysis of Fine and Coarse Aggregates	C136
Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	C127
Relative Density (Specific Gravity) and Absorption of Fine Aggregate	C128
Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	D4791
Determining the Percentage of Fractured Particles in Coarse Aggregate	D5821
Effect of Moisture on Asphalt Mixtures	D4867
4. Asphalt Mix Design Laboratory Superpave Method (Type A) Must also participate in ALL of the above tests, Numbers 1, 2 and 3 above	
Short-Term Laboratory Conditioning of Asphalt Mixtures	R30
Superpave Volumetric Design for Asphalt Mixtures	R35
Effect of Moisture on Asphalt Mixtures	D4867
Sand Equivalent Value of Soils and Fine Aggregate	D2419
Uncompacted Void Content of Fine Aggregate	C1252
Determination of Draindown Characteristics in Uncompacted Asphalt Mixtures (if required)	T305
5. Laboratories Carrying Out Penetration Testing of Recovered Asphalt Cement (Type E) Must also participate in ALL of the Basic Asphalt Certification, at least Number 1 above	
Penetration of Bituminous Materials	D5
Recovery of Asphalt from Solution by Abson Method Or	D1856
Recovery of Asphalt Binder from Solution Using the Rotary Evaporator	D5404
6. Laboratories Testing Performance Graded Asphalt Cement (Type F) Unless the laboratory is dedicated to binder testing ONLY, it must also participate at least in the Basic Asphalt Certification, Number 1 above	
Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test)	T240
Grading or Verifying the Performance Grade (PG) of an Asphalt Binder	R29
Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)	R28
Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	T313
Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	T315
Viscosity Determination of Asphalt Binder Using Rotational Viscometer	T316