



CERTIFICATE OF ACCREDITATION



ArrMaz Products Inc. dba **Road Science, Division of ArrMaz Custom Chemicals** in **Tulsa, Oklahoma, USA**

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Moe Jamshidi', written over a horizontal line.

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 02/03/2023 at 2:13 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:
ArrMaz Products Inc. dba Road Science, Division of ArrMaz Custom Chemicals
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Quality Management System

Standard:

Accredited Since:

R18 Establishing and Implementing a Quality System for Construction Materials Testing Laboratories

05/15/2001



SCOPE OF AASHTO ACCREDITATION FOR:

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Asphalt Binder

Standard:	Accredited Since:
R28 Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	05/15/2001
R29 Grading or Verifying the Performance Grade of an Asphalt Binder	11/22/2021
T48 Flash Point by Cleveland Open Cup	05/15/2001
T49 Penetration of Original Sample of Asphalt Cement	05/15/2001
T51 Ductility of Bituminous Materials	05/15/2001
T53 Softening Point of Bitumen (Ring-and-Ball Apparatus)	05/15/2001
T78 Distillation of Cut-Back Asphaltic (Bituminous) Products	02/12/2019
T228 Specific Gravity (Relative Density) of Asphalt Cement	05/15/2001
T240 Rolling Thin-Film Oven Testing	05/15/2001
T301 Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer	05/15/2001
T313 Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	05/15/2001
T315 Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	05/15/2001
T316 Viscosity Determination of Asphalt Binder Using Rotational Viscometer	05/15/2001
T350 Multiple Stress Creep and Recovery (MSCR) at 64°C, 25mm plate, 1mm gap	01/11/2019
D5 Penetration of Original Sample of Asphalt Cement	05/15/2001
D36 Softening Point of Bitumen (Ring-and-Ball Apparatus)	05/15/2001
D70 Specific Gravity (Relative Density) of Asphalt Cement	05/15/2001
D92 Flash Point by Cleveland Open Cup	05/15/2001
D113 Ductility of Bituminous Materials	05/15/2001
D402 Distillation of Cut-Back Asphaltic (Bituminous) Products	02/12/2019
D2872 Rolling Thin-Film Oven Testing	05/15/2001
D4402 Viscosity Determination of Asphalt Binder Using Rotational Viscometer	05/15/2001
D6084 Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer	05/15/2001



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Asphalt Binder (Continued)

Standard:	Accredited Since:
D6521 Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	05/15/2001
D6648 Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	05/15/2001
D7175 Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	05/15/2001
D7405 Multiple Stress Creep and Recovery (MSCR) at 64°C, 25mm plate, 1mm gap	05/15/2001
D8078 Ash Content of Asphalt and Emulsified Asphalt Residues	01/11/2019



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Emulsified Asphalt

Standard:	Accredited Since:
T59 Aggregate Coating	11/22/2021
T59 Cement Mixing	05/15/2001
T59 Demulsibility	05/15/2001
T59 Density	05/15/2001
T59 Particle Charge	05/15/2001
T59 Residue by Distillation	05/15/2001
T59 Residue by Evaporation	05/15/2001
T59 Saybolt Viscosity at 25°C (77°F)	05/15/2001
T59 Saybolt Viscosity at 50°C (122°F)	05/15/2001
T59 Settlement and Storage Stability	05/15/2001
T59 Sieve Test	05/15/2001
D6930 Settlement and Storage Stability	05/15/2001
D6933 Sieve Test	05/15/2001
D6934 Residue by Evaporation	05/15/2001
D6935 Cement Mixing	05/15/2001
D6936 Demulsibility	05/15/2001
D6937 Density	05/15/2001
D6997 Residue by Distillation	05/15/2001
D6998 Aggregate Coating	11/22/2021
D7402 Particle Charge	05/15/2001
D7496 Saybolt Viscosity at 25°C (77°F)	05/15/2001
D7496 Saybolt Viscosity at 50°C (122°F)	05/15/2001



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Pavement Preservation

Standard:

Accredited Since:

D3910	Measurement of Slurry Seal Consistency (Cone Consistency)	06/24/2016
D6372	Classification of Micro-Surfacing Materials Compatibility (SBR)	06/24/2016
D6372	Loaded Wheel Test, Vertical and Lateral Displacement of Cold Mixes (LWT)	06/24/2016
D7000	Sweep Test of Bituminous Emulsion Surface Treatment	05/15/2001
D3910/D6372	Determining Set Time for Slurry Seal and Micro-Surfacing Systems (Blot Test)	06/24/2016
D3910/D6372	Set and Cure Development of Slurry Surfacing Systems by Cohesion Tester	06/24/2016
D3910/D6372	Wet Track Abrasion Of Slurry Surfacing Systems	06/24/2016
TB-100	Wet Track Abrasion Of Slurry Surfacing Systems	06/24/2016
TB-106	Measurement of Slurry Seal Consistency (Cone Consistency)	06/24/2016
TB-109	Excess Asphalt in Bituminous Mixtures by Loaded Wheel and Sand Adhesion	06/24/2016
TB-113	Determining Mix Time for Slurry Surfacing Systems	06/24/2016
TB-114	Wet Stripping of Cured Slurry Surfacing Mixtures	06/24/2016
TB-139	Set and Cure Development of Slurry Surfacing Systems by Cohesion Tester	06/24/2016
TB-144	Classification of Micro-Surfacing Materials Compatibility (SBR)	06/24/2016
TB-147	Loaded Wheel Test, Vertical and Lateral Displacement of Cold Mixes (LWT)	06/24/2016



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Asphalt Mixture

Standard:

Accredited Since:

R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	01/11/2019
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	09/01/2001
T30	Mechanical Analysis of Extracted Aggregate	09/01/2001
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	09/01/2001
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/01/2001
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	09/01/2001
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/01/2001
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	09/01/2001
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/01/2001
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	09/01/2001
T324	Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	09/01/2001
T331	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	09/01/2001
T340	Determining Rutting Susceptibility of Hot Mix Asphalt (HMA) Using the Asphalt Pavement Analyzer (APA)	11/22/2021
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/01/2001
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	09/01/2001
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/01/2001
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	11/22/2021
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	09/01/2001
D5444	Mechanical Analysis of Extracted Aggregate	09/01/2001
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/01/2001
D6752	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	09/01/2001
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	09/01/2001
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	09/01/2001



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Asphalt Mixture (Continued)

Standard:

Accredited Since:

D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	09/01/2001
D6931 Indirect Tensile Strength (IDT)	09/01/2001
D7906 Recovery of Asphalt Using Toluene and Rotavapor	03/01/2019



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Aggregate

Standard:

Accredited Since:

T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	08/01/2001
T27	Sieve Analysis of Fine and Coarse Aggregates	08/01/2001
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	08/01/2001
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	08/01/2001
C136	Sieve Analysis of Fine and Coarse Aggregates	08/01/2001
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	08/01/2001