**How to use these tables:**

The following tables show the standard test methods included in the AASHTO re:source and soil proficiency sample programs. 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 for that test property. 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 Polices, 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.**

| California Bearing Ratio (CBR) | | | | |
|---|---|---|---|---|
| **AASHTO** | **ASTM** | **Test Name** | **Test Property** | **Policy** |
| T265 | D2216 | Moisture Content of Soils | Moisture Content A Received | *, 2 |
| | | | Moisture Content Before Compaction | |
| | | | Moisture Content After Compaction | |
| T193 | D1883 | California Bearing Ratio | Dry unit Weight of Compacted Specimen Before Soaking | 1 |
| | | | Swell | * |
| | | | CBR (Corrected) at 0.1 in. Penetration | 1 |
| | | | CBR (Corrected) at 0.2 in. Penetration | |

## California Bearing Ratio (CBR) Policies

**1** Once negative action has occurred on one test value (Dry Unit Weight or CBR Values), satisfactory results are needed on all test values (Dry Unit Weight and CBR Values).

**2** A laboratory does not need to be enrolled in any proficiency sample programs to maintain accreditation for T265/D2216.

| R-Value (RVL) | | | | |
|---|---|---|---|---|
| **AASHTO** | **ASTM** | **Test Name** | **Test Property** | **Policy** |
| T265 | D2216 | Moisture Content of Soils | Moisture Content As received | *, 1 |
| T190 | D2844 | R-Value | R-Value at 300 psi Exudation Pressure | - |

## R-Value (RVL) Policies

**1** A laboratory does not need to be enrolled in any proficiency sample programs to maintain accreditation for T265/D2216.

| Soil Classification and Compaction (SOL) | | | | |
|---|---|---|---|---|
| **AASHTO** | **ASTM** | **Test Name** | **Test Property** | **Policy** |
| T88 | D422 | Particle Analysis of Soil | Total Material Passing the No. 10 Sieve | 1 |
| | | | Total Material Passing the No. 40 Sieve | |
| | | | Total Material Passing the No. 200 Sieve | |
| | | | Total Material Smaller than 0.02 mm | |
| | | | Total Material Smaller than 0.002 mm | |
| | | | Total Material Smaller than 0.001 mm | * |
| - | D7928 | Particle Size Distribution of Fine-Grained Soils (Hydrometer Analysis) | Particle Diameter at 4 Minutes of | 1 |
| | | | Particle Diameter at 30 Minutes | |
| | | | Particle Diameter at 60 Minutes | |
| | | | Particle Diameter at 240 Minutes | |
| | | | Particle Diameter at 1440 Minutes | * |
| | | | Total Percent Finer at 4 Minutes | 1 |
| | | | Total Percent Finer at 30 Minutes | |
| | | | Total Percent Finer at 60 Minutes | |
| | | | Total Percent Finer at 240 Minutes | |
| | | | Total Percent Finer at 1440 Minutes | |
| T89 | D4318 | Liquid Limit of Soils | Liquid Limit | 2 |
| T90 | | Plastic Limit of Soils | Plastic Limit | |
| T100 | D854 | Specific Gravity of Soils | Specific Gravity, Passing No.10, 20° C | 3 |
| - | D4943 | Shrinkage Factor of Soils | Shrinkage Limit (Wax Method) | - |
| T267 | D2974 | Organic Content of Soils by Ignition | Organic Content | - |
| T99 | D698 | Moisture-Density of Soils (Standard Effort) | Optimum Moisture Content | 4 |
| | | | Maximum Dry Density | |
| T180 | D1557 | Moisture-Density of Soils (Modified Effort) | Optimum Moisture Content | 4 |
| | | | Maximum Dry Density | |

## Soil Classification and Compaction (SOL) Policies

**1a** Low ratings/no results must occur on the same test value in order to be considered consecutive. Once negative action has occurred on one test value, satisfactory results are needed on all test values.

**1b** A laboratory that is accredited for both methods of hydrometer testing shall submit test data for both T88/D422 and D7928. A suspension for either T88/D422 or D7928 does not affect the other hydrometer method.

**2** Low ratings/no results on the liquid limit procedure or plastic limit procedure of D4318 will result in a suspension for all D4318. Once negative action has occurred on one test value, satisfactory results are needed on both procedures to be reinstated for D4318.

**3** Participation is required for soils testing only. If a laboratory is accredited for T100 (Mineral Filler) in the aggregate scope, the laboratory must perform T100 testing on the Asphalt Mixture Gyratory Design (HMG) samples also.

**4a** Laboratories will have the option of testing standard (T99/D698) or modified (T180/D1557) Proctors. Accreditation for both T99/D698 and T180/D1557 will be evaluated based on the proficiency sample results of either the standard or modified compaction test. A laboratory accredited for only T99/D698 or T180/D1557 must submit results for that effort.

**4b** Once negative action has occurred on one test value, satisfactory results are needed on both procedures to be reinstated for T99/D698 and/or T180/D1557.

| Soil Corrosivity and Chemistry (SCC) | | | | |
|---|---|---|---|---|
| **AASHTO** | **ASTM** | **Test Name** | **Test Property** | **Policy** |
| T288 | - | Minimum Soil Resistivity | Soil Resistivity | - |
| | | | Resistivity of Water | * |
| - | G187 | Soil Resistivity Using Two-Electrode Box | Soil Resistivity | - |
| T289 | - | pH of Soils for Corrosion Testing | pH Test in Water | - |
| - | D4972 | pH Testing of Soils | pH in Water | 1 |
| | | | pH in calcium Chloride Solution | |
| T290 | - | Determining Water-Soluble Sulfate Ion Content in Soil | Sulfate Ion Content (Method B) | - |
| T291 | - | Determining Water-Soluble Chloride Ion Content in Soil | Chloride Ion Content | - |

## Soil Corrosivity and Chemistry (SCC) Policies

**1** Test data needs to be submitted for pH values in both water and calcium chloride solutions. Measurements in both liquids are necessary to fully define the soil's pH.

| Soil-Cement Mixture (SCM) | | | | |
|---|---|---|---|---|
| **AASHTO** | **ASTM** | **Test Name** | **Test Property** | **Policy** |
| T265 | D2216 | Moisture Content of Soils | Moisture Content As Received | *, 1 |
| | | | Moisture Content Before Compaction | |
| | | | Moisture Content After Compaction | |
| T135 | D559 | Wetting and Drying of Compacted Soil-Cement Mixtures | Dry Unit Weight of Compacted Specimens Before Soaking | - |
| | | | Soil-Cement Loss | - |
| T136 | D560 | Freezing and Thawing of Compacted Soil-Cement Mixtures | Dry Unit Weight of Compacted Specimens Before Soaking | - |
| | | | Soil-Cement Loss | - |
| - | D1633 | Compressive Strength of Molded Soil-Cement Cylinders | Dry Unit Weight of Compacted Specimen | - |
| | | | Mass of Test Specimen Immediately Before Compression | - |
| | | | Maximum Load Carried by the Specimen | - |
| | | | Compressive Strength | - |
| | | | Water Content Immediately After Compression | - |

## Soil-Cement Mixture (SCM) Policies

**1** A laboratory does not need to be enrolled in any proficiency sample programs to maintain accreditation for T265/D2216.