



AASHTO Accreditation Policy on PSP Participation – Concrete, CMU, and Rebar Programs

How to use these tables:

The following tables show the standard test methods included in CCRL ASR, Concrete, CMU, and Rebar proficiency samples. 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.
- 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.



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Alkali Silica Reactivity (ASR)				
AASHTO	ASTM	Test Name	Test Property	Policy
-	C1260	Potential Alkali Reactivity of Aggregates	Average 4-Day Expansion (Suppressed)	-
			Average 7-Day Expansion (Suppressed)	-
			Average 11-Day Expansion (Suppressed)	-
			Average 14-Day Expansion	-
			Average 21-Day Expansion (Suppressed)	-
			Average 28-Day Expansion	*

Concrete				
AASHTO	ASTM	Test Name	Test Property	Policy
T196	C173	Air Content by Volumetric Method	Air Content	-
T152	C231	Air Content by Pressure Method	Air Content	-
T119	C143	Slump of Concrete	Slump	-
T121	C138	Unit Weight of Concrete	Unit Weight	-
T309	C1064	Temperature of Freshly Mixed Concrete	Temperature (Suppressed)	-
T22	C39	Compressive Strength of Cylindrical Concrete Specimens	Compressive Strength Average 7-day, 4x8-inch Specimens	1
			Compressive Strength Average 7-day 6x12-inch Specimens	
			Density	*
T97	C78	Flexural Strength of Concrete Using Three-Point Loading	Average Modulus of Rupture	-

Concrete Policies

- 1a** Participation is required for all laboratories accredited for T22/C39. If the laboratory is not capable of molding cylinders and typically subcontracts that practice, the samples for proficiency sample testing may be molded by the subcontractor as well.
- 1b** Laboratories have the option of testing either 4x8” or 6x12” cylinders.



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Concrete Masonry Units				
AASHTO	ASTM	Test Name	Test Property	Policy
-	C140	Testing Concrete Masonry Units	Average Face Shell Thickness (tfs)	1
			Average Web Thickness (tw)	
			Average Equivalent Thickness (Te)	
			Average Net Area (An)	
			Average Absorption	
			Average Net Area Compressive Strength	
			Average Net Volume (Vn)	*
			Average Density (D)	*
			Average Received Weight (Wr) (Suppressed)	-
			Average Max Compressive Load (Pmax) (Suppressed)	-
			Average Received Weight (Wr) (Suppressed)	-
			Average Width (W) (Suppressed)	-
			Average Height (H) (Suppressed)	-
			Average Length (L) (Suppressed)	-
			Average Web Height (th) (Suppressed)	-
			Average Immersed Weight (Wi) (Suppressed)	-
			Average Saturated Weight (Ws) (Suppressed)	-
			Average Oven-Dry Weight (Wd) (Suppressed)	-
			Average Percent Solid (Suppressed)	-
			Average Normalized Web (Awn) (Suppressed)	-

Concrete Masonry Unit Policies

1 Once negative action has occurred on one test value (Measurement, Absorption, Compressive Strength), satisfactory results are needed on all test values.



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Reinforcing Bar				
AASHTO	ASTM	Test Name	Test Property	Policy
T244	A370	Mechanical Testing of Steel Products	Average Tensile Strength	1
			Average Yield Strength	
			Average Elongation	
			Average Weight per Length	*
			Average Spacing	*
			Average Height	*
			Average Gap	*

Reinforcing Bar Policies

1 Low ratings / no results will result in suspensions for all types of rebar tested (M31/A615, A706, A970).