



# CERTIFICATE OF ACCREDITATION



## Phoenix Cement Company

in

## Clarkdale, Arizona, 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](https://aashtoresource.org)).

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

Jim Tymon,  
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Matt Linneman', is written over a horizontal line.

Matt Linneman,  
AASHTO COMP Chair

This certificate was generated on 10/27/2026 at 1:31 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://aashtoresource.org/aap/accreditation-directory)



# SCOPE OF AASHTO ACCREDITATION FOR:

Phoenix Cement Company  
in Clarkdale, Arizona, USA

## Quality Management System

### Standard:

### Accredited Since:

|                |                                                                                                |            |
|----------------|------------------------------------------------------------------------------------------------|------------|
| R18            | Establishing and Implementing a Quality System for Construction Materials Testing Laboratories | 12/23/2013 |
| C1222 (Cement) | Evaluation of Laboratories Testing Hydraulic Cement                                            | 12/23/2013 |



# SCOPE OF AASHTO ACCREDITATION FOR:

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in Clarkdale, Arizona, USA

## Aggregate

### Standard:

### Accredited Since:

|                                                                                  |            |
|----------------------------------------------------------------------------------|------------|
| R76 Reducing Samples of Aggregate to Testing Size                                | 04/14/2025 |
| T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing  | 04/14/2025 |
| T27 Sieve Analysis of Fine and Coarse Aggregates                                 | 04/14/2025 |
| C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing | 04/14/2025 |
| C136 Sieve Analysis of Fine and Coarse Aggregates                                | 04/14/2025 |
| C702 Reducing Samples of Aggregate to Testing Size                               | 04/14/2025 |



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## Cementitious Material - Chemical Tests

### Standard:

### Accredited Since:

|                                                |            |
|------------------------------------------------|------------|
| T105 Aluminum Oxide – X-Ray Fluorescence       | 04/03/2018 |
| T105 Calcium Oxide – X-Ray Fluorescence        | 04/03/2018 |
| T105 Ferric Oxide – X-Ray Fluorescence         | 04/03/2018 |
| T105 Free Calcium Oxide – Alternative          | 10/31/2024 |
| T105 Insoluble Residue – Reference             | 04/03/2018 |
| T105 Loss on Ignition – Reference              | 04/03/2018 |
| T105 Magnesium Oxide – X-Ray Fluorescence      | 04/03/2018 |
| T105 Phosphorus Pentoxide – X-Ray Fluorescence | 04/03/2018 |
| T105 Potassium Oxide – X-Ray Fluorescence      | 04/03/2018 |
| T105 Silicon Dioxide – X-Ray Fluorescence      | 04/03/2018 |
| T105 Sodium Oxide – X-Ray Fluorescence         | 04/03/2018 |
| T105 Sulfur Trioxide – X-Ray Fluorescence      | 04/03/2018 |
| T105 Titanium Dioxide – X-Ray Fluorescence     | 04/03/2018 |
| C114 Aluminum Oxide – X-Ray Fluorescence       | 12/23/2013 |
| C114 Calcium Oxide – X-Ray Fluorescence        | 12/23/2013 |
| C114 Ferric Oxide – X-Ray Fluorescence         | 12/23/2013 |
| C114 Free Calcium Oxide – Alternative          | 10/31/2024 |
| C114 Insoluble Residue – Reference             | 02/06/2015 |
| C114 Loss on Ignition – Reference              | 12/23/2013 |
| C114 Magnesium Oxide – X-Ray Fluorescence      | 12/23/2013 |
| C114 Phosphorus Pentoxide – X-Ray Fluorescence | 02/06/2015 |
| C114 Potassium Oxide – X-Ray Fluorescence      | 12/23/2013 |
| C114 Silicon Dioxide – X-Ray Fluorescence      | 12/23/2013 |



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## Cementitious Material - Chemical Tests (Continued)

### Standard:

### Accredited Since:

|                                            |            |
|--------------------------------------------|------------|
| C114 Sodium Oxide – X-Ray Fluorescence     | 12/23/2013 |
| C114 Sulfur Trioxide – X-Ray Fluorescence  | 12/23/2013 |
| C114 Titanium Dioxide – X-Ray Fluorescence | 12/23/2013 |



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Cement - Physical Tests

### Standard:

### Accredited Since:

|                                     |                                                                                                             |            |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------|------------|
| M201                                | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 03/10/2016 |
| R71                                 | Sampling and the Amount of Testing of Hydraulic Cement                                                      | 08/24/2021 |
| R115                                | Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency                             | 04/03/2018 |
| T105 (Loss on Ignition - Reference) | Loss on Ignition – Reference                                                                                | 04/03/2018 |
| T106                                | Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)                               | 03/10/2016 |
| T107                                | Autoclave Expansion of Hydraulic Cement                                                                     | 03/10/2016 |
| T129                                | Normal Consistency of Hydraulic Cement                                                                      | 03/10/2016 |
| T131                                | Time of Setting of Hydraulic Cement by Vicat Needle                                                         | 03/10/2016 |
| T133                                | Density of Hydraulic Cement                                                                                 | 04/03/2018 |
| T137                                | Air Content of Hydraulic Cement Mortar                                                                      | 04/03/2018 |
| T153                                | Fineness of Hydraulic Cement by Air Permeability Apparatus                                                  | 03/10/2016 |
| T154                                | Time of Setting of Hydraulic-Cement Paste by Gillmore Needles                                               | 03/10/2016 |
| T186                                | Early Stiffening of Hydraulic Cement (Paste Method)                                                         | 03/10/2016 |
| T192                                | Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve                                                   | 03/10/2016 |
| C109                                | Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)                               | 12/23/2013 |
| C114 (Loss on Ignition - Reference) | Loss on Ignition – Reference                                                                                | 04/03/2018 |
| C151                                | Autoclave Expansion of Hydraulic Cement                                                                     | 12/23/2013 |
| C183                                | Sampling and the Amount of Testing of Hydraulic Cement                                                      | 12/23/2013 |
| C185                                | Air Content of Hydraulic Cement Mortar                                                                      | 12/23/2013 |
| C187                                | Normal Consistency of Hydraulic Cement                                                                      | 12/23/2013 |
| C188                                | Density of Hydraulic Cement                                                                                 | 04/03/2018 |
| C191                                | Time of Setting of Hydraulic Cement by Vicat Needle                                                         | 12/23/2013 |
| C204                                | Fineness of Hydraulic Cement by Air Permeability Apparatus                                                  | 12/23/2013 |



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## Cement - Physical Tests (Continued)

| Standard: |                                                                                                              | Accredited Since: |
|-----------|--------------------------------------------------------------------------------------------------------------|-------------------|
| C266      | Time of Setting of Hydraulic-Cement Paste by Gillmore Needles                                                | 12/23/2013        |
| C305      | Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency                              | 12/23/2013        |
| C430      | Fineness of Hydraulic Cement by the 45- $\mu$ m (No. 325) Sieve                                              | 12/23/2013        |
| C451      | Early Stiffening of Hydraulic Cement (Paste Method)                                                          | 12/23/2013        |
| C511      | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes  | 12/23/2013        |
| C1437     | Flow of Hydraulic Cement Mortar                                                                              | 12/23/2013        |
| C1506     | Water Retention of Hydraulic Cement-Based Mortars and Plasters                                               | 12/23/2013        |
| C1702     | Measurement of Heat of Hydration of Hydraulic Cementitious Materials Using Isothermal Conduction Calorimetry | 10/31/2024        |



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## Concrete

### Standard:

### Accredited Since:

|       |                                                                                                                                            |            |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------|------------|
| M201  | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes                                | 10/31/2024 |
| R115  | Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency                                                            | 10/31/2024 |
| T303  | Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)                                                                              | 10/31/2024 |
| C305  | Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency                                                            | 10/31/2024 |
| C511  | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes                                | 10/31/2024 |
| C1260 | Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)                                                                              | 10/31/2024 |
| C1567 | Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method) | 10/31/2024 |



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## Pozzolan

### Standard:

### Accredited Since:

|                         |                                                                                                             |            |
|-------------------------|-------------------------------------------------------------------------------------------------------------|------------|
| M201                    | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 10/21/2016 |
| R115                    | Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency                             | 10/21/2016 |
| T106                    | Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)                               | 10/21/2016 |
| T107                    | Autoclave Expansion of Hydraulic Cement                                                                     | 10/21/2016 |
| T129                    | Normal Consistency of Hydraulic Cement                                                                      | 10/21/2016 |
| T133                    | Density of Hydraulic Cement                                                                                 | 10/21/2016 |
| T192                    | Fineness of Hydraulic Cement by the 45- $\mu$ m (No. 325) Sieve                                             | 10/21/2016 |
| C109                    | Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)                               | 12/23/2013 |
| C151                    | Autoclave Expansion of Hydraulic Cement                                                                     | 12/23/2013 |
| C187                    | Normal Consistency of Hydraulic Cement                                                                      | 12/23/2013 |
| C188                    | Density of Hydraulic Cement                                                                                 | 12/23/2013 |
| C305                    | Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency                             | 12/23/2013 |
| C311 (Loss on Ignition) | Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete (Loss on Ignition)    | 12/23/2013 |
| C311 (Moisture Content) | Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete (Moisture Content)    | 10/31/2024 |
| C430                    | Fineness of Hydraulic Cement by the 45- $\mu$ m (No. 325) Sieve                                             | 12/23/2013 |
| C511                    | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 12/23/2013 |
| C1437                   | Flow of Hydraulic Cement Mortar                                                                             | 12/23/2013 |