

# Cement Mill Test Report



Mountain Cement Company  
5 Sand Creek Rd  
Laramie, WY 82070  
(307) 745-4879  
www.mountaincement.com



Cement Classification: Class G Well Cement – Grade MSR  
Manufacture Period: May 2022

## Chemical Requirements

| Item                | Spec Limit | Result |
|---------------------|------------|--------|
| MgO                 | 6.0 Max    | 1.0    |
| SO <sub>3</sub>     | 3.0 Max    | 2.7    |
| L.O.I.              | 3.0 Max    | 0.9    |
| Insoluble Res       | 0.75 Max   | 0.32   |
| C <sub>3</sub> S, % | 48 to 58   | 58     |
| C <sub>3</sub> A, % | 8 Max      | 5      |

## Physical and Performance Requirements

| Item                                | Limit     | Result |
|-------------------------------------|-----------|--------|
| Free-Fluid Content, %               | 5.9 Max   | 5.2    |
| Schedule 5 Thickening Time, minutes | 90 to 120 | 91     |
| Compressive Strength, psi:          |           |        |
| 8 hours @ 38° C                     | 300 min   | 1190   |
| 8 hours @ 60° C                     | 1500 min  | 2430   |

This cement has been sampled and tested in accordance with API Specification 10A. Cement chemical analysis are reported as oxides, in accordance with ASTM Test Method C114. This cement is manufactured at our Laramie, Wyoming facility. All test results are certified to comply with the type and specification designated. We are not responsible for improper use or workmanship.

A handwritten signature in black ink that reads "Bob Kersey".

Bob Kersey, Quality Control Manager