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**CEMENT
MILL
TEST**

Cement Identified as: **Masonry Cement, Type N** **Date:** **10/29/21**
Production Dates: **September, 2021**

| PHYSICAL REQUIREMENTS | SPECIFICATIONS | ASTM C 91 Type N | RESULTS |
|--|----------------|---------------------|----------------------|
| (ASTM C 430) 45-um sieve, % retained | Maximum | 24 | 6 |
| (ASTM C 151) Autoclave Expansion, % | Maximum | 1.0 | 0.11 |
| (ASTM C 266) Time of Setting (Gillmore) | | | |
| Initial Set, minutes | Minimum | 120 | 240 |
| Final Set, minutes | Maximum | 1000 | 350 |
| (ASTM C 185) Air Content, % | Range | 8-21 | 18 |
| (ASTM C 1506) Water Retention | Minimum | 70 | 83 |
| (ASTM C 109) Compressive Strength, psi (Mpa) | | | |
| 7 Day | Minimum | 500 (3.4) | 1890 (13.0) |
| 28 Day | Minimum | 900 (6.2) | 2190 (15.1) |

We hereby certify that this cement conforms to all of the standard requirements for masonry cement in the above specification for the type specified.

By: *Rusty Strader*

Physical Testing completed by: DG, JT
 Chemical Testing completed by: TA, NC, KL, NM

Rusty Strader
 Quality Control Manager
 Fairborn Cement Company