



Certificate of Test

Class G Well Cement
Grade MSR

December 28, 2016
Lot 362

Chemical Requirements - Table 1			Physical and Performance Requirements – Table 2		
Item	Spec Limit	Result	Item	Spec Limit	Result
MgO	6.0 max	1.1	Free-Fluid Content, %	5.9 max	5.0
SO ₃	3.0 max	3.0	Compressive Strengths, PSI	8 hours @ 38° C	300 min
Loss on Ignition	3.0 max	1.3			
Insoluble Residue	0.75 max	0.29	Schedule 5 Thickening Time, minutes	90 to 120	110
C ₃ S, %	48 to 58	56			
C ₃ A, %	8 max	5			
Equivalent Alkalies, %	0.75 max	0.64			

This cement has been sampled and tested in accordance with API Specification 10A. Cement 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 specification designated. We are not responsible for improper use or workmanship.

Bob Kersey
Chief Chemist



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