



NEVADA CEMENT COMPANY

Post Office Box 840, Fernley, Nevada 89408 - 0840 (775) 575 - 2281

LABORATORY TEST REPORT

SAMPLE: TYPE I/II

DATE: February 2012

Customer: _____

SILLO: _____

Bill of Lading: _____

CHEMICAL ANALYSIS (%)	
ASTM C114	
Silicon Dioxide	21.1
Aluminum Oxide	4.0
Ferric Oxide	2.0
Magnesium Oxide	2.1
Sulfur Trioxide	2.8
Loss on Ignition	1.8
Insoluble Residue	0.71
Total Equ. As Na ₂ O	0.59
Inorganic Processing Addition	Partially Calcined Carbonate
PHASE COMPOSITION (%)	
ASTM C150	
Tricalcium Silicate	57
Dicalcium Silicate	18
Tricalcium Aluminate	7

PHYSICAL TESTS	
Specific Surface (Blaine) cm^2/g ASTM C204	3406
Autoclave Expansion, % ASTM C151	-0.01
Set Time Vicat Needles ASTM C191 Initial Set Min.	145
Air Content, % ASTM C185	7

COMPRESSIVE STRENGTHS (P.S.I.)		
ASTM C109		
	Mpa	(psi)
3 Day Mpa, (psi)	24.0	3477
7 Day Mpa, (psi)	29.1	4221

NEVADA CEMENT COMPANY complies with the requirements of current ASTM C150 and AASHTO M - 85 specifications for Type I and Type II.

The above data represents the average of the silos or bins ground during the month of January 2012 from which this cement was shipped.

Cement analysis are reported as oxides, in accordance with ASTM test methods C114.

Silicon dioxide (SiO₂) is present in the combined state as the compounds tricalcium silicate and dicalcium silicate, and not as crystalline silica. This cement may contain processing additions which meet the requirements of ASTM C465. Compliance documents for these processing additions are available upon request. All test results are certified to comply with the type specification designated.

We are not responsible for improper use or workmanship.

* - Adjusted per A 1.6 of C150

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Ben Bufmack
Plant Manager