

6612486602

NATIONAL CEMENT CO

11:58:51 a.m. 09-03-2008

1/1

ANDY



National Cement Company of California, Inc.

Mailing Address:
15821 Ventura Blvd.
Suite 475
Encino, California 91436-4778

Physical Address:
5 Miles East of I-5
Off Highway 138
Lebec, California 93243
Telephone: 661-248-6733
Fax: 661-248-6602

MILL TEST REPORT

We certify that LEBEC Portland Cement Lot # 08- 217 has the following chemical and physical characteristics as tested in our plant laboratory:

| Chemical Specifications and Analysis | | | | Physical Specifications and Analysis | | | |
|--|-----------|----------|----------|--------------------------------------|------------------|-----------|-----------|
| | ASTM C150 | | Actual | | ASTM C150 | | Actual |
| | TYPE II | TYPE V | Analysis | | TYPE II | TYPE V | Analysis |
| SiO2 | 20.0 min | NR | 21.05 % | Blaine, Sq.cm/gm | 2800 min | 2800 min | 3825 |
| Al2O3 | 6.0 max | NR | 4.36 % | | Autoclave Exp. % | 0.800 max | 0.800 max |
| Fe2O3 | 6.0 max | NR | 4.10 % | Time of Setting: | | | |
| CaO | NR | NR | 63.65 % | | Vicat | 375 max | 375 max |
| MgO | 6.0 max | 6.0 max | 2.70 % | Gilmore, Initial | 60 min | 60 min | 140 |
| SO3 | 3.0 max | 2.3 max | 2.67 % * | Final | 600 max | 600 max | 200 |
| Loss | 3.0 max | 3.0 max | 1.04 % | Compressive Strength: | | | |
| Insoluble | 0.75 max | 0.75 max | 0.18 % | | 1 day | NR | NR |
| Alkalics, | 0.60 max | 0.60 max | 0.51 % | 3 days | 1450 min | 1160 min | 3417 |
| Free CaO | NR | NR | 0.76 % | 7 days | 2470 min | 2180 min | 4925 |
| * Meets ASTM C150, Table 1, Option D for T-V | | | | 28 days | NR | 3050 min | 7213 |
| Potential Compounds: | | | | NA = Not Applicable | | | |
| C3S | NR | NR | 55.8 % | NR = No Requirement | | | |
| C2S | NR | NR | 18.3 % | | | | |
| C3A | 8 max | 5 max | 4.6 % | | | | |
| C4AF | NR | NR | 12.5 % | | | | |
| 2C3A+C4AF | NR | 25 max | 21.7 % | | | | |
| %CO2 | NR | NR | 0.11 % | | | | |
| % Limestone | 5 Max | 5 Max | 0.27 % | | | | |
| %CaCO3 in LS | NR | NR | 91.95 % | | | | |

This Cement Meets Or Exceeds The Following Described Specifications:
 ASTM: C-150-05 Types II & V Modified, (low Alkalie)
 California: Section 201-1.2 of Standard Specifications for Public Works Construction.
 Caltrans: Section 90-2.01 of Standard Specifications, T-II Modified Low Alkali

Main Office:
15821 Ventura Blvd.
Suite 475
Encino, Ca. 91436-2935
(818) 788-4228

NATIONAL CEMENT COMPANY OF CALIFORNIA
 By: Krishnamohan Malay
 KRISHNAMOHAN MALAY
 QUALITY CONTROL MANAGER
 9/3/08