



13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121  
www.midwestlabs.com

**REPORT OF ANALYSIS**

Account: 7294 CALCIUM PRODUCTS INC

Report Number: 14-086-2155

| <b>Analysis</b>                     | <b>Level Found</b> | <b>Units</b> | <b>Detection Limit</b> | <b>Method</b>         | <b>Analyst-Date</b> | <b>Verified-Date</b> |
|-------------------------------------|--------------------|--------------|------------------------|-----------------------|---------------------|----------------------|
| <u>Sample ID: AGL00714</u>          |                    |              |                        |                       |                     |                      |
| Moisture                            | 6.44               | %            | 0.10                   | AOAC 17E 950.01 100C  | jsp-03/25           | mgn-03/25            |
| Calcium                             | 19.00              | %            | 0.01                   | ICAP                  | krr-03/24           | mgn-03/25            |
| Magnesium                           | 12.30              | %            | 0.01                   | ICAP                  | krr-03/24           | mgn-03/25            |
| Total Neutralizing Val(CaCO3 eq)    | 97.74              | %            | 0.10                   | AOAC 955.01           | jsp-03/21           | mgn-03/25            |
| ECCE                                | 78.39              | %            |                        | CALCULATED            | acm-03/25           | mgn-03/25            |
| Sieve analysis (% passing 4 mesh)   | 100                | %            |                        | WET SIEVE             | acm-03/25           | mgn-03/25            |
| Sieve Analysis (% passing 8 mesh)   | 100                | %            |                        | WET SIEVE             | acm-03/25           | mgn-03/25            |
| Sieve Analysis (% passing 60 mesh)  | 67                 | %            |                        | WET SIEVE             | acm-03/25           | mgn-03/25            |
| Mercury (total)                     | n.d.               | mg/kg        | 0.05                   | EPA 7471              | cjm-03/25           | bab-03/27            |
| Zinc (total)                        | n.d.               | mg/kg        | 1.0                    | EPA 6010              | cjm-03/25           | bab-03/27            |
| Selenium (total)                    | n.d.               | mg/kg        | 10.0                   | EPA 6010              | cjm-03/25           | bab-03/27            |
| Lead (total)                        | n.d.               | mg/kg        | 5.0                    | EPA 6010              | cjm-03/25           | bab-03/27            |
| Nickel (total)                      | n.d.               | mg/kg        | 1.0                    | EPA 6010              | cjm-03/25           | bab-03/27            |
| Molybdenum (total)                  | n.d.               | mg/kg        | 1.0                    | EPA 6010              | cjm-03/25           | bab-03/27            |
| Cobalt (total)                      | n.d.               | mg/kg        | 1.0                    | EPA 6010              | cjm-03/25           | bab-03/27            |
| Cadmium (total)                     | n.d.               | mg/kg        | 0.50                   | EPA 6010              | cjm-03/25           | bab-03/27            |
| Arsenic (total)                     | n.d.               | mg/kg        | 10.0                   | EPA 6010              | cjm-03/25           | bab-03/27            |
| Sieve Analysis (% passing 100 mesh) | 57                 | %            |                        | WET SIEVE             | acm-03/25           | mgn-03/25            |
| Sieve Analysis (% passing 20 mesh)  | 92                 | %            |                        | WET SIEVE             | acm-03/25           | mgn-03/25            |
| Sieve Analysis (% passing 40 mesh)  | 76                 | %            |                        | WET SIEVE             | acm-03/25           | mgn-03/25            |
| Sieve Analysis (% passing 80 mesh)  | 60                 | %            |                        | RO-TAP SHAKER (5 MIN) | acm-03/25           | mgn-03/25            |

The result(s) issued on this report only reflect the analysis of the sample(s) submitted. For applicable test parameters, Midwest Laboratories is in compliance with NELAC requirements. Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.



13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121  
www.midwestlabs.com

**REPORT OF ANALYSIS**

Account: 7294 CALCIUM PRODUCTS INC

Report Number: 14-086-2155

| Analysis                            | Level Found | Units | Detection Limit | Method                | Analyst-Date | Verified-Date |
|-------------------------------------|-------------|-------|-----------------|-----------------------|--------------|---------------|
| <u>Sample ID: AGL00814</u>          |             |       |                 |                       |              |               |
| Moisture                            | 4.80        | %     | 0.10            | AOAC 17E 950.01 100C  | jsp-03/25    | mgn-03/25     |
| Calcium                             | 29.60       | %     | 0.01            | ICAP                  | krr-03/24    | mgn-03/25     |
| Magnesium                           | 1.93        | %     | 0.01            | ICAP                  | krr-03/24    | mgn-03/25     |
| Total Neutralizing Val(CaCO3 eq)    | 88.22       | %     | 0.10            | AOAC 955.01           | jsp-03/21    | mgn-03/25     |
| ECCE                                | 50.37       | %     |                 | CALCULATED            | acm-03/25    | mgn-03/25     |
| Sieve analysis (% passing 4 mesh)   | 100         | %     |                 | WET SIEVE             | acm-03/25    | mgn-03/25     |
| Sieve Analysis (% passing 8 mesh)   | 81          | %     |                 | WET SIEVE             | acm-03/25    | mgn-03/25     |
| Sieve Analysis (% passing 60 mesh)  | 38          | %     |                 | WET SIEVE             | acm-03/25    | mgn-03/25     |
| Mercury (total)                     | n.d.        | mg/kg | 0.05            | EPA 7471              | cjm-03/25    | bab-03/27     |
| Zinc (total)                        | 26.3        | mg/kg | 1.0             | EPA 6010              | cjm-03/25    | bab-03/27     |
| Selenium (total)                    | n.d.        | mg/kg | 10.0            | EPA 6010              | cjm-03/25    | bab-03/27     |
| Lead (total)                        | n.d.        | mg/kg | 5.0             | EPA 6010              | cjm-03/25    | bab-03/27     |
| Nickel (total)                      | 4.3         | mg/kg | 1.0             | EPA 6010              | cjm-03/25    | bab-03/27     |
| Molybdenum (total)                  | 1.5         | mg/kg | 1.0             | EPA 6010              | cjm-03/25    | bab-03/27     |
| Cobalt (total)                      | n.d.        | mg/kg | 1.0             | EPA 6010              | cjm-03/25    | bab-03/27     |
| Cadmium (total)                     | n.d.        | mg/kg | 0.50            | EPA 6010              | cjm-03/25    | bab-03/27     |
| Arsenic (total)                     | n.d.        | mg/kg | 10.0            | EPA 6010              | cjm-03/25    | bab-03/27     |
| Sieve Analysis (% passing 100 mesh) | 34          | %     |                 | WET SIEVE             | acm-03/25    | mgn-03/25     |
| Sieve Analysis (% passing 20 mesh)  | 53          | %     |                 | WET SIEVE             | acm-03/25    | mgn-03/25     |
| Sieve Analysis (% passing 40 mesh)  | 44          | %     |                 | WET SIEVE             | acm-03/25    | mgn-03/25     |
| Sieve Analysis (% passing 80 mesh)  | 35          | %     |                 | RO-TAP SHAKER (5 MIN) | acm-03/25    | mgn-03/25     |

Notes:

n.d. - Not Detected.

AOAC - Association of Official Analytical Chemists.

ICAP - Inductively Coupled Argon Plasma.

ECCE (Effective Calcium Carbonate Equivalent) represents the Total Neutralizing Value (CaCO3 Equivalent) adjusted for effectiveness based on the particle size of the Lime. This percentage (ECCE)

For questions contact



13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121  
www.midwestlabs.com

**REPORT OF ANALYSIS**

Account: 7294 CALCIUM PRODUCTS INC

Report Number: 14-086-2155

Notes:

multiplied by 20 yields the lbs. of effective Lime per ton of material.

A handwritten signature in black ink, appearing to read "Rob Ferris", is positioned above the printed name and title.

Rob Ferris  
Client Service Representative  
rob.ferris@midwestlabs.com (402)829-9871