



Midwest Laboratories Inc.®

Report Number
13-358-2185

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

REPORT OF ANALYSIS

For: (7294) CALCIUM PRODUCTS INC
(515)373-6554

Mail to:

**CALCIUM PRODUCTS INC
PO BOX 281
GILMORE CITY IA 50541-**

PO/Proj. #: P21354
LIME ANALYSIS

Date Reported: 12/24/13
Date Received: 12/17/13
Date Sampled: 12/16/13
Time Sampled: Not Supplied

Lab number: 2215725 Sample ID: MM-BLUE

| Analysis | Level | | Detection | | Analyst- Date | Verified- Date |
|------------------------------------|-------|-------|-----------|----------------------|------------------|-------------------|
| | Found | Units | Limit | Method | | |
| Moisture | 1.23 | % | 0.10 | AOAC 17E 950.01 100C | jsp-12/20 | mgn-12/23 |
| Calcium | 34.20 | % | 0.01 | ICAP | krr-12/19 | mgn-12/23 |
| Magnesium | 0.22 | % | 0.01 | ICAP | krr-12/19 | mgn-12/23 |
| Total Neutralizing Val(CaCO3 eq) | 95.18 | % | 0.10 | AOAC 955.01 | jsp-12/18 | mgn-12/23 |
| ECCE | 73.95 | % | | CALCULATED | mgn-12/23 | mgn-12/23 |
| Sieve analysis (% passing 4 mesh) | 100 | % | | WET SIEVE | mgn-12/23 | mgn-12/23 |
| Sieve Analysis (% passing 8 mesh) | 99 | % | | WET SIEVE | mgn-12/23 | mgn-12/23 |
| Sieve Analysis (% passing 60 mesh) | 64 | % | | WET SIEVE | mgn-12/23 | mgn-12/23 |
| Mercury (total) | n.d. | mg/kg | 0.05 | EPA 7471 | cjm-12/23 | bab-12/24 |
| Zinc (total) | 2.7 | mg/kg | 1.0 | EPA 6010 | cjm-12/23 | bab-12/24 |
| Selenium (total) | n.d. | mg/kg | 10.0 | EPA 6010 | cjm-12/23 | bab-12/24 |
| Lead (total) | n.d. | mg/kg | 5.0 | EPA 6010 | cjm-12/23 | bab-12/24 |
| Nickel (total) | 1.4 | mg/kg | 1.0 | EPA 6010 | cjm-12/23 | bab-12/24 |
| Molybdenum (total) | n.d. | mg/kg | 1.0 | EPA 6010 | cjm-12/23 | bab-12/24 |
| Cobalt (total) | n.d. | mg/kg | 1.0 | EPA 6010 | cjm-12/23 | bab-12/24 |
| Cadmium (total) | n.d. | mg/kg | 0.50 | EPA 6010 | cjm-12/23 | bab-12/24 |
| Arsenic (total) | n.d. | mg/kg | 10.0 | EPA 6010 | cjm-12/23 | bab-12/24 |



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| Analysis | Level Found | Units | Detection Limit | Method | Analyst-Date | Verified-Date |
|-------------------------------------|-------------|-------|-----------------|-----------------------|--------------|---------------|
| Sieve Analysis (% passing 100 mesh) | 50 | % | | WET SIEVE | mgn-12/23 | mgn-12/23 |
| Sieve Analysis (% passing 20 mesh) | 90 | % | | WET SIEVE | mgn-12/23 | mgn-12/23 |
| Sieve Analysis (% passing 30 mesh) | 85 | % | | WET SIEVE | mgn-12/23 | mgn-12/23 |
| Sieve Analysis (% passing 80 mesh) | 54 | % | | RO-TAP SHAKER (5 MIN) | mgn-12/23 | mgn-12/23 |

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) multiplied by 20 yields the lbs. of effective Lime per ton of material.
 Sample(s) was prepared for EPA 6010 analysis by EPA method 3050b.

For questions contact

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