

REPORT OF ANALYSIS

Account: 7294 CALCIUM PRODUCTS INC

Report Number: 14-016-2052

Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date	Verified-Date
<u>Sample ID: SO4 N 010814</u>						
Sulfur	17.2	%	0.05	ICAP	krr-01/13	mgn-01/14
Magnesium	0.08	%	0.01	ICAP	krr-01/13	mgn-01/14
Calcium	21.0	%	0.01	ICAP	krr-01/13	mgn-01/14
Sieve Analysis (% passing 100 mesh)	84	%		WET SIEVE	mgn-01/14	mgn-01/14
pH	6.5	S.U.		PH METER	alm-01/13	mgn-01/14
Mercury (total)	n.d.	mg/kg	0.05	EPA 7471	cjm-01/16	kkh-01/16
Zinc (total)	20.4	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Selenium (total)	n.d.	mg/kg	10.0	EPA 6010	rrd-01/16	kkh-01/16
Lead (total)	n.d.	mg/kg	5.0	EPA 6010	rrd-01/16	kkh-01/16
Nickel (total)	1.4	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Molybdenum (total)	n.d.	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Cobalt (total)	n.d.	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Cadmium (total)	n.d.	mg/kg	0.50	EPA 6010	rrd-01/16	kkh-01/16
Arsenic (total)	n.d.	mg/kg	10.0	EPA 6010	rrd-01/16	kkh-01/16
<u>Sample ID: SO4 S 010814</u>						
Sulfur	17.0	%	0.05	ICAP	krr-01/13	mgn-01/14
Magnesium	0.07	%	0.01	ICAP	krr-01/13	mgn-01/14
Calcium	20.9	%	0.01	ICAP	krr-01/13	mgn-01/14
Sieve Analysis (% passing 100 mesh)	89	%		WET SIEVE	mgn-01/14	mgn-01/14
pH	6.6	S.U.		PH METER	alm-01/13	mgn-01/14
Mercury (total)	n.d.	mg/kg	0.05	EPA 7471	cjm-01/16	kkh-01/16
Zinc (total)	9.1	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Selenium (total)	n.d.	mg/kg	10.0	EPA 6010	rrd-01/16	kkh-01/16
Lead (total)	n.d.	mg/kg	5.0	EPA 6010	rrd-01/16	kkh-01/16
Nickel (total)	n.d.	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Molybdenum (total)	n.d.	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Cobalt (total)	n.d.	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Cadmium (total)	n.d.	mg/kg	0.50	EPA 6010	rrd-01/16	kkh-01/16

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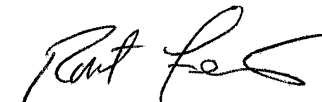
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Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date	Verified-Date
Arsenic (total)	n.d.	mg/kg	10.0	EPA 6010	rrd-01/16	kkh-01/16
<u>Sample ID: 2000 010814</u>						
Moisture	n.d.	%	0.10	AOAC 17E 950.01 100C	jsp-01/14	mgn-01/14
Calcium	35.40	%	0.01	ICAP	krr-01/13	mgn-01/14
Magnesium	0.26	%	0.01	ICAP	krr-01/13	mgn-01/14
Total Neutralizing Val(CaCO3 eq)	98.50	%	0.10	AOAC 955.01	jsp-01/13	mgn-01/14
ECCE	96.14	%		CALCULATED	mgn-01/14	mgn-01/14
Sieve analysis (% passing 4 mesh)	100	%		WET SIEVE	mgn-01/14	mgn-01/14
Sieve Analysis (% passing 8 mesh)	100	%		WET SIEVE	mgn-01/14	mgn-01/14
Sieve Analysis (% passing 60 mesh)	96	%		WET SIEVE	mgn-01/14	mgn-01/14
Mercury (total)	n.d.	mg/kg	0.05	EPA 7471	cjm-01/16	kkh-01/16
Zinc (total)	4.2	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Selenium (total)	n.d.	mg/kg	10.0	EPA 6010	rrd-01/16	kkh-01/16
Lead (total)	n.d.	mg/kg	5.0	EPA 6010	rrd-01/16	kkh-01/16
Nickel (total)	n.d.	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Molybdenum (total)	n.d.	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Cobalt (total)	n.d.	mg/kg	1.0	EPA 6010	rrd-01/16	kkh-01/16
Cadmium (total)	n.d.	mg/kg	0.50	EPA 6010	rrd-01/16	kkh-01/16
Arsenic (total)	n.d.	mg/kg	10.0	EPA 6010	rrd-01/16	kkh-01/16

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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