

**CALCIUM PRODUCTS INC
CALCIUM PRODUCTS INC
2520 N LOOP DR STE 7100
AMES IA 50010-8279**

REPORT OF ANALYSIS

For: (7294) CALCIUM PRODUCTS INC
Aglime samples
P40961

Analysis	Level Found	Units	Reporting	Method	Analyst- Date	Verified- Date
	As Received		Limit			
Sample ID: Montour Aglime Sample Lab Number: 70357959						
Moisture	5.1	%	0.1	SM 2540 G-(2015)	Ppj2-2023/10/10	eas2-2023/10/11
Calcium (total)	28.0	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Magnesium (total)	5.59	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Total neutralizing value (CaCO3 eq)	90.3	%	0.1	AOAC 955.01	jed2-2023/10/11	eas2-2023/10/11
ECCE	65.8	%	0.1	Calculation	Auto-2023/10/11	Auto-2023/10/11
% passing 4 sieve	99.1	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 8 sieve	92.6	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 20 sieve	74.9	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 30 sieve	69.5	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 60 sieve	58.6	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 80 sieve	54.8	%	0.0	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 100 sieve	53.6	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 200 sieve	43.0	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% retained pan	43.0	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
Sample ID: Gifford Aglime Sample Lab Number: 70357960						
Moisture	4.8	%	0.1	SM 2540 G-(2015)	Ppj2-2023/10/10	eas2-2023/10/11
Calcium (total)	22.8	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Magnesium (total)	10.2	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Total neutralizing value (CaCO3 eq)	97.7	%	0.1	AOAC 955.01	jed2-2023/10/11	eas2-2023/10/11

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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.

**CALCIUM PRODUCTS INC
CALCIUM PRODUCTS INC
2520 N LOOP DR STE 7100
AMES IA 50010-8279**

REPORT OF ANALYSIS

For: (7294) CALCIUM PRODUCTS INC
Aglime samples
P40961

Analysis	Level Found	Units	Reporting	Method	Analyst- Date	Verified- Date
	As Received		Limit			
Sample ID: Gifford Aglime Sample	Lab Number: 70357960 (con't)					
ECCE	67.8	%	0.1	Calculation	Auto-2023/10/11	Auto-2023/10/11
% passing 4 sieve	99.8	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 8 sieve	93.8	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 20 sieve	74.6	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 30 sieve	66.3	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 60 sieve	52.1	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 80 sieve	48.2	%	0.0	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 100 sieve	45.8	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 200 sieve	23.4	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% retained pan	23.4	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
Sample ID: LeGrand Aglime Sample	Lab Number: 70357961					
Moisture	4.2	%	0.1	SM 2540 G-(2015)	Ppj2-2023/10/10	eas2-2023/10/11
Calcium (total)	37.1	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Magnesium (total)	0.46	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Total neutralizing value (CaCO3 eq)	92.4	%	0.1	AOAC 955.01	jed2-2023/10/11	eas2-2023/10/11
ECCE	40.5	%	0.1	Calculation	Auto-2023/10/11	Auto-2023/10/11
% passing 4 sieve	88.0	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 8 sieve	64.5	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 20 sieve	46.5	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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.

**CALCIUM PRODUCTS INC
CALCIUM PRODUCTS INC
2520 N LOOP DR STE 7100
AMES IA 50010-8279**

REPORT OF ANALYSIS

For: (7294) CALCIUM PRODUCTS INC
Aglime samples
P40961

Analysis	Level Found	Units	Reporting	Method	Analyst- Date	Verified- Date
	As Received		Limit			
Sample ID: LeGrand Aglime Sample	Lab Number: 70357961 (con't)					
% passing 30 sieve	40.2	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 60 sieve	26.2	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 80 sieve	22.8	%	0.0	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 100 sieve	21.9	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 200 sieve	16.8	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% retained pan	16.8	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
Sample ID: Ferguson Aglime Sample	Lab Number: 70357962					
Moisture	4.7	%	0.1	SM 2540 G-(2015)	Ppj2-2023/10/10	eas2-2023/10/11
Calcium (total)	29.2	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Magnesium (total)	5.62	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Total neutralizing value (CaCO ₃ eq)	92.8	%	0.1	AOAC 955.01	jed2-2023/10/11	eas2-2023/10/11
ECCE	48.9	%	0.1	Calculation	Auto-2023/10/11	Auto-2023/10/11
% passing 4 sieve	95.8	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 8 sieve	74.4	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 20 sieve	50.9	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 30 sieve	45.8	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 60 sieve	34.7	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 80 sieve	31.4	%	0.0	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% passing 100 sieve	30.1	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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.

**CALCIUM PRODUCTS INC
CALCIUM PRODUCTS INC
2520 N LOOP DR STE 7100
AMES IA 50010-8279**

REPORT OF ANALYSIS

For: (7294) CALCIUM PRODUCTS INC
Aglime samples
P40961

Analysis	Level Found	Units	Reporting	Method	Analyst- Date	Verified- Date
	As Received		Limit			
Sample ID: Ferguson Aglime Sample	Lab Number: 70357962 (con't)					
% passing 200 sieve	22.7	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
% retained pan	22.7	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/11	eas2-2023/10/11
Sample ID: Alden Aglime Sample	Lab Number: 70357963					
Moisture	3.1	%	0.1	SM 2540 G-(2015)	Ppj2-2023/10/10	eas2-2023/10/11
Calcium (total)	37.8	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Magnesium (total)	0.16	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Total neutralizing value (CaCO3 eq)	95.7	%	0.1	AOAC 955.01	jed2-2023/10/11	eas2-2023/10/11
ECCE	61.0	%	0.1	Calculation	Auto-2023/10/12	Auto-2023/10/12
% passing 4 sieve	100	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 8 sieve	96.9	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 20 sieve	71.0	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 30 sieve	62.6	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 60 sieve	41.2	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 80 sieve	33.1	%	0.0	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 100 sieve	29.6	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 200 sieve	18.2	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% retained pan	18.2	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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.

**CALCIUM PRODUCTS INC
CALCIUM PRODUCTS INC
2520 N LOOP DR STE 7100
AMES IA 50010-8279**

REPORT OF ANALYSIS

For: (7294) CALCIUM PRODUCTS INC
Aglime samples
P40961

Analysis	Level Found	Units	Reporting	Method	Analyst- Date	Verified- Date
	As Received		Limit			
Sample ID: Dumont Aglime Sample		Lab Number: 70357964				
Moisture	4.2	%	0.1	SM 2540 G-(2015)	Ppj2-2023/10/10	eas2-2023/10/11
Calcium (total)	30.2	%	0.01	MWL ME PROC 26	Dsh7-2023/10/12	eas2-2023/10/13
Magnesium (total)	2.08	%	0.01	MWL ME PROC 26	Dsh7-2023/10/09	eas2-2023/10/11
Total neutralizing value (CaCO3 eq)	81.3	%	0.1	AOAC 955.01	jed2-2023/10/13	eas2-2023/10/13
ECCE	38.9	%	0.1	Calculation	Auto-2023/10/13	Auto-2023/10/13
% passing 4 sieve	92.5	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 8 sieve	64.6	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 20 sieve	45.2	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 30 sieve	40.5	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 60 sieve	32.0	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 80 sieve	29.5	%	0.0	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 100 sieve	28.7	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% passing 200 sieve	23.2	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12
% retained pan	23.2	%	0.1	ASTM E 276-13 (mod)	Rpk5-2023/10/12	eas2-2023/10/12

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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.

REPORT NUMBER

23-286-4087

REPORT DATE
Oct 13, 2023
RECEIVED DATE
Oct 06, 2023

SEND TO
7294



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

PAGE 6/7

ISSUE DATE
Oct 13, 2023

**CALCIUM PRODUCTS INC
CALCIUM PRODUCTS INC
2520 N LOOP DR STE 7100
AMES IA 50010-8279**

REPORT OF ANALYSIS

For: (7294) CALCIUM PRODUCTS INC
Aglime samples
P40961

Analysis	Level Found As Received	Units	Reporting Limit	Method	Analyst- Date	Verified- Date
----------	----------------------------	-------	--------------------	--------	------------------	-------------------

All results are reported on an AS RECEIVED basis

For questions please contact:

Stefanie Rath
Account Manager
srath@midwestlabs.com (402)829-9881

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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.

**CALCIUM PRODUCTS INC
CALCIUM PRODUCTS INC
2520 N LOOP DR STE 7100
AMES IA 50010-8279**

REPORT OF ANALYSIS

For: (7294) CALCIUM PRODUCTS INC
Aglime samples
P40961

Detailed Method Description(s)

SM 2540 G

Analysis follows MWL WC 060 which is based on SM 2540 G. A sample is weighed placed in a vacuum drying oven to drive off the moisture and re-weighed. The sample is then placed in a muffle furnace at 550°C, cooled, and re-weighed. The residue remaining is the ash and the mass lost is the volatile matter.

ICP Analysis Fertilizers AOAC 985.01 (mod)

Analysis follows MWL ME 026 which is based on AOAC 985.01. Samples have been prepared using MWL WC 056. Total minerals in fertilizers have been prepared by AOAC 957.02 using mineral acids and heat. Water soluble manganese is prepared by AOAC 972.03 and the other water soluble by AOAC 977.01. Sample analysis involves moving the sample extract into the ICP where it is nebulized and introduced into the high temperature plasma which energizes the electrons of the dissolved minerals/metals. As the energized electrons of the minerals/metals return to ground state, energy is released as light. The emitted wavelength(s) and light intensities are used to identify and quantitate the minerals/metals in the sample

AOAC 955.01

Analysis follows MWL WC 039 which is based on AOAC 955.01. A sample is treated with an excess of acid and then back-titrated with a known base to a phenolphthalein end point

Calculation

Analytical results are entered into applicable formulas to provide a calculated result which is reported.

Wet Sieve

Sample analysis follows MWL WC 070 which is based on ASTM E 276. A known mass of a solid is obtained and a pre-determined set of sieves obtained. The sample is placed on the upper most (largest screen size) and the sample washed with water to wash the materials through the sieves. The material retained on the individual sieves is removed and weighed and the percent of the total passing through the sieve is calculated and reported.

Fertilizer Prep AOAC 957.02

Samples are prepared using a combination of nitric acid and heat. The heating takes place in a block digester

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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.