

REPORT NO.
F14022-7003

ACCOUNT NUMBER
74004

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com



QUALITY ANALYSES FOR INFORMED DECISIONS®

TO: HARSCO MINERALS OF PA, LLC
359 N PIKE RD
SARVER, PA 16055-8633

FOR: PT18 STEELTON, PA
AGROWSIL PRO 1-16-14

PURCHASE ORDER: 84262

LAB NUMBER: 38752
SAMPLE ID: M14-012

LIME ANALYSIS

DATE RECEIVED: 1/22/2014
DATE REPORTED: 1/27/2014 PAGE: 1 of 2

PARAMETER	AS RECEIVED BASIS	DRY BASIS	UNIT	REPORTING LIMIT (AR BASIS)	METHOD REFERENCE
Moisture (105 deg. C)	11.2	0.0	%	0.1	AOAC 950.01
Solids	88.8	100.0	%	0.1	AOAC 950.01
Calcium (Ca)	23.7	26.7	%	0.1	ASTM C602.20
Calcium (Ca)	474	534	lb/T	0.1	ASTM C602.20
Magnesium (Mg)	7.5	8.5	%	0.1	ASTM C602.18-20
Magnesium (Mg)	151	170	lb/T	0.1	ASTM C602.18-20
Calcium Carbonate Equiv. (CCE)	89.4	100.6	%	0.1	AOAC 955.01
Passing U.S. #20 Sieve		66.7	%	0.1	AOAC 924.02
Passing U.S. #60 Sieve		43.1	%	0.1	AOAC 924.02
Passing U.S. #100 Sieve		33.8	%	0.1	AOAC 924.02

Sample was wet sieved.
CCE was titrated 24 hours after acid digestion.

Report Approved By: _____

Diane Thayer - Fertilizer Chemist

Approval Date: 1/27/2014

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PARAMETER	AS RECEIVED BASIS	DRY BASIS	UNIT	REPORTING LIMIT (AR BASIS)	METHOD REFERENCE
Pennsylvania Lime Quality Parameters:					
Effective Neutralizing Value (ENV)	45.3	51.0	%	0.1	PA 108.17.ENV
Fineness Classification	Coarse-sized				PSU Agronomy Facts 3
Adjusted Lime Application Rate = Recommended Rate of Standard Aglime x (100 / CCE)					PSU Agronomy Facts 3

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