

REPORT NO.  
F14034-7001

ACCOUNT NUMBER  
64545

# A & L GREAT LAKES LABORATORIES, INC.

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**QUALITY ANALYSES FOR INFORMED DECISIONS**

TO: NORTH AMERICAN AG-GRO CONSULTI  
17535 N STATE ROAD 1  
SPENCERVILLE, IN 46788-9604

ATTN: JAMES R. MARTINDALE

LAB NUMBER: 38860

SAMPLE ID: FISH EMULSION

EXPECTED ANALYSIS: NONE GIVEN

## FERTILIZER ANALYSIS

DATE RECEIVED: 2/3/2014

DATE REPORTED: 2/24/2014 PAGE: 1 of 1

PARAMETER	RESULT	UNIT	REPORTING LIMIT	METHOD REFERENCE
Amino Acid Profile	Attached			AOAC 997.12

Report Approved By: *Diane Thayer*  
Diane Thayer - Fertilizer Chemist

Approval Date: 2/24/2014

# MINNESOTA VALLEY TESTING LABORATORIES, INC.

# MVTL

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890

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MEMBER  
ACIL

DIANE THAYER  
A & L GREAT LAKES LABS INC  
3505 CONESTOGA DR  
FORT WAYNE IN 46808-4413

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Report Date: 21 Feb 2014

Work Order #: 21-2801

Account #: 006410

Date Received: 5 Feb 2014

Temperature at Receipt: AMBIENT

	Claim	As Received Result		Method Reference	Date Analyzed
<b>14-N975 38860 F14034-7001 FERTILIZER</b>					
Protein N x 6.25		12.23	%	AOAC 988.05	7 Feb 14
Cysteine		0.071	%	AOAC 994.12	20 Feb 14
Methionine		0.24	%	AOAC 994.12	20 Feb 14
Lysine		0.516	%	AOAC 994.12	20 Feb 14
Alanine		0.747	%	AOAC 994.12	20 Feb 14
Arginine		0.392	%	AOAC 994.12	20 Feb 14
Aspartic Acid		0.726	%	AOAC 994.12	20 Feb 14
Glutamic Acid		1.044	%	AOAC 994.12	20 Feb 14
Glycine		0.841	%	AOAC 994.12	20 Feb 14
Isoleucine		0.440	%	AOAC 994.12	20 Feb 14
Leucine		0.662	%	AOAC 994.12	20 Feb 14
Serine		0.305	%	AOAC 994.12	20 Feb 14
Threonine		0.321	%	AOAC 994.12	20 Feb 14
Valine		0.539	%	AOAC 994.12	20 Feb 14
Histidine		0.214	%	AOAC 994.12	20 Feb 14
Phenylalanine		0.341	%	AOAC 994.12	20 Feb 14
Tyrosine		0.308	%	AOAC 994.12	20 Feb 14
Taurine		0.091	%	AOAC 994.12	20 Feb 14
Tryptophan		0.059	%	MVTL R&D	20 Feb 14

Approved by:



Dan O'Connell, Chemistry Laboratory Manager New Ulm, MN