REPORT NUMBER
22-137-4157

REPORT DATE
Jun 27, 2022

SEND TO
27137

RECEIVED DATE
May 05, 2022

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

ISSUE DATE
Jun 27, 2022

SEAAGRI SOLUTIONS LLC
MICHAEL SILECK
10150 CEDAR RIDGE DR
ALPHARETTA GA 30004

REPORT OF ANALYSIS

For: (27137) SEAAGRI SOLUTIONS LLC
Sea-90 with Organic Humate

Analysis	Level Found As Received	Units	Reporting Limit	Method	Analyst-Date	Verified-Date
Sample ID: **Sea-90 w/ Humate**	Lab Number: **70111395**	Date Sampled: **2022-04-27**				
Potassium (total)	0.90	%	0.05	MWL ME PROC 26	jdg9-2022/05/10	eas2-2022/05/11
Phosphorus (total)	n.d.	%	0.05	MWL ME PROC 26	jdg9-2022/05/10	eas2-2022/05/11
Sodium (total)	27.2	%	0.01	MWL ME PROC 26	jdg9-2022/05/10	eas2-2022/05/11
Sulfur (total)	1.11	%	0.05	MWL ME PROC 26	jdg9-2022/05/10	eas2-2022/05/11
Manganese (total)	n.d.	ppm	20.0	MWL ME PROC 26	jdg9-2022/05/10	eas2-2022/05/11
Calcium (total)	1.57	%	0.01	MWL ME PROC 26	jdg9-2022/05/10	eas2-2022/05/11
Boron (total)	n.d.	ppm	100	MWL ME PROC 26	jdg9-2022/05/10	eas2-2022/05/11
Iron (total)	376	ppm	50.0	MWL ME PROC 26	jdg9-2022/05/10	eas2-2022/05/11
Magnesium (total)	1.60	%	0.01	MWL ME PROC 26	jdg9-2022/05/10	eas2-2022/05/11
Copper (total)	n.d.	mg/kg	1.0	EPA 6010	ery3-2022/05/06	trh1-2022/05/17
Zinc (total)	n.d.	mg/kg	2.0	EPA 6010	ery3-2022/05/06	trh1-2022/05/17

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

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

SEAAGRI SOLUTIONS LLC
MICHAEL SILECK
10150 CEDAR RIDGE DR
ALPHARETTA GA 30004

REPORT OF ANALYSIS

For: (27137) SEAAGRI SOLUTIONS LLC
Sea-90 with Organic Humate

Analysis	Level Found As Received	Units	Reporting Limit	Method	Analyst-Date	Verified-Date
Sample ID: **Sea-90 w/ Humate**	Lab Number: **70111395**	Date Sampled: **2022-04-27**				
Potash (K2O) (soluble)	1.03	%	0.10	MWL ME PROC 26	alm2-2022/05/11	eas2-2022/05/11

This report was reissued on 2022-06-27 10:51:05 by ccp4 for the following reason:
report.
All results are reported on an AS RECEIVED basis.

For questions please contact:

Cole C Parsons
Account Manager
cparsons@midwestlabs.com (402)829-9850

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

SEAAGRI SOLUTIONS LLC
MICHAEL SILECK
10150 CEDAR RIDGE DR
ALPHARETTA GA 30004

REPORT OF ANALYSIS

For: (27137) SEAAGRI SOLUTIONS LLC
Sea-90 with Organic Humate

Detailed Method Description(s)

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

ME 042

Analysis follows MWL ME 042 which is based on EPA 6010b, Inductively Coupled Plasma (ICP). A light emission technique where prepared samples are injected into a high energy plasma that forces the elements in the injected sample to emit light energies which are proportional to the level of minerals and metals present. The light is then detected and correlated to the levels of minerals and metals in the original sample.

Fertilizer Prep AOAC 957.02

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

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

SEAAGRI SOLUTIONS LLC
MICHAEL SILECK
10150 CEDAR RIDGE DR
ALPHARETTA GA 30004

REPORT OF ANALYSIS

For: (27137) SEAAGRI SOLUTIONS LLC
Sea-90 with Organic Humate

Detailed Method Description(s)

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