



- CERTIFICATE of ANALYSIS -

Material:	AGT-50	Product Number:	AD10FA100
Country of Origin:	United States	Batch Number:	21103
Handling Instructions:	See SDS attached	Date of Manufacture:	4/12/2021
Laboratory FDA Registration Number:	14353128308	Retest Date:	4/2025
Mineral Logic FDA Registration Number:	18395658198	Lab Report Numbers:	214651-01, 21D0432-01
Packaging:	1/20/1000 Liters or 1/30/55/275 Gallons	Test Completion Date(s):	5/4/2021, 5/11/2021

Physical Data:	Specification	Result	Per Unit	Method
% Soluble	100	100	%	Standard
pH	2.4-4.2	3.24	N/A	EPA 150.1
Color	Dark Brown Liquid	Complies	N/A	Visual
Moisture (%)	90-96	90.71	%	AOAC 930.15
SG=Specific Gravity (G/CC)	1.02-1.09	1.036	G/CC	Modified USP <841>
Sample Type:	Liquid	Complies	N/A	Physical/Visual
Fulvic Acid: (%)	1.8-4.0	3.81	%	Calculated

Minerals	Specification ppm	Result	Per Unit	Method
Calcium	400 – 2,500	1497	ppm	ICP-OES USP <730>
Iron	1500 - 10,000	2165	ppm	ICP-OES USP <730>
Magnesium	100 -2,500	263	ppm	ICP-OES USP <730>
Sodium	1,000 - 5,000	3030	ppm	ICP-OES USP <730>
Sulfur	3,000 - 15,000	6612	ppm	ICP-OES USP <730>

Heavy Metals	Specification ppm	Result	Per Unit	Method
Arsenic	< 2	0.723	ppm	ICP-MS USP <730>
Cadmium	< 1	0.056	ppm	ICP-MS USP <730>
Lead	< 2	0.028	ppm	ICP-MS USP <730>
Mercury	<0.1	< 0.001	ppm	ICP-MS USP <730>
Nickel	< 7	2.35	ppm	ICP-MS USP <730>

Microbiology:	Specification	Result	Per Unit	Method
Total Aerobic Microbial Count	< 5,000	< 10	CFU/g	USP <2021>
Coliform Count	< 3	< 3	MPN/g	FDA BAM
E. Coli Count	< 3	< 3	MPN/g	FDA BAM
Salmonella	Absent per 10 g	Absent	per 10 g	USP <2022>
Yeast	< 1000	<10	CFU/g	USP <2021>
Mold	< 1000	< 10	CFU/g	USP <2021>

Quality Unit Release Date: 5/ 11 /2021

Released by:

Mark K. Williams Ph.D., QU Manager
Mineral Logic LLC

COA-AD10FA100-21103 --