

CERTIFICATE of ANALYSIS

Product Name:	MLG-80 Trace Mineral Liquid Concentrate	Product Number:	HHD50
Country of Origin	USA	Batch Number:	22306-C
Handling Instructions:	See SDS attached	DOM:	11/02/2022
Laboratory FDA registration	# 14353128308	Retest date:	11/02/2027
Mineral Logic FDA registration	# 18395658198	Lab Report Numbers:	253695-01
Packaging:	1 oz., 2 oz. 20 L, 1,000 L	Test Completion Date:	10/2/2023

Physical Data:	Specification	Per Unit	Result	Method
Specific Gravity	1.0 -1.2		1.10	Modified <USP> 841
pH	1.5 -2.5		1.54	EPA 150.1
Total Dissolved Solids (%)	9 -18		12.4	AOAC 923.193
Color	Dark Amber Liquid		Complies	Visual
Sample Type:	Aqueous		Aqueous	Physical/Visual
Analytes:				
Aluminum	< 4,500	ppm	3,810	ICP-OES USP <730>
Calcium	200 -1,500	ppm	654	ICP-OES USP <730>
Iron	10,000 - 50,000	ppm	19,200	ICP-OES USP <730>
Magnesium	100 -2,500	ppm	1,500	ICP-OES USP <730>
Sodium	< 1,000	ppm	143	ICP-OES USP <730>
Sulfur	20,000 - 60,000	ppm	26,100	ICP-OES USP <730>
Heavy Metals:				
Arsenic	< 12	ppm	2.05	ICP-OES USP <730>
Cadmium	< 1	ppm	0.534	ICP-OES USP <730>
Lead	< 2	ppm	0.014	ICP-OES USP <730>
Mercury	<0.1	ppm	0.003	ICP-OES USP <730>
Microbiology:				
Total Aerobic Microbial Count	< 10,000	CFU/g	< 10	USP <2021>
Coliform Count	< 10	MPN/g	< 3	FDA BAM
E. Coli Count	< 10	MPN/g	< 3	FDA BAM
Salmonella	Absent	per 10 g	Absent	USP <2022>
Staphylococcus aureus	Absent	per 10 g	Absent	USP <2022>
Yeast	< 100	CFU/g	<10	USP <2021>
Mold	< 100	CFU/g	< 10	USP <2021>

Quality Unit Release Date: 10/03/2023

Released by:



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