



# Certificate of Analysis

In Plant Quality Control

Product Name: Citrilyte

Country of Origin: United States of America

Lot Number: 036-L06

Manufactured (Test) Date: 25-Jun-2019

Best Before End: 25-Jun-2023

Analysis	Method	Specification	Average	Result
Magnesium	ICP-OES	12.0 - 20.0 mg/mL	14.8 mg/mL	20.0 mg/mL
Sodium	ICP-OES	32.8 - 49.2 mg/mL	42.0 mg/mL	35.5 mg/mL
Potassium	ICP-OES	38.0 - 54.0 mg/mL	44.9 mg/mL	45.9 mg/mL
Chloride	Anions by LC	114 - 170 mg/mL	142 mg/mL	138 mg/mL
Zinc	ICP-OES	0.57 - 0.77 mg/mL	0.68 mg/mL	0.67 mg/mL

<This product also contains other naturally occurring trace Minerals found in the Great Salt Lake. If you need a full spectrum test results, please contact your sales representative.>

### Physical Data

Color	Visual	Colorless	Colorless	Colorless
pH	MRI SOP QL0160	0.65 - 1.00	0.86	0.75
Specific Gravity	MRI SOP QL0100	1.13 - 1.25	1.19	1.21
Refractive Index	MRI SOP QL0150	27.3 - 33.2 °Brix	30.5 °Brix	30.1 °Brix

Heavy Metal Analysis	Method	Specification	Average	Lot Results
Heavy Metals	USP <231> / FCC IV	Less than 5 ppm	<5 ppm	<3.0 ppm
Total Heavy Metals*	*Results from base ingredients			

### Microbiological Profile

Standard Plate Count	FDA BAM 8th Ed.	< 10,000 cfu/ml	<25 cfu/ml	<25 cfu/ml
Total Coliform	AOAC 991.14	< 100 cfu/ml	<100 cfu/ml	<10 cfu/ml
<i>Escherichia coli</i>	AOAC 991.14	Absent/10 ml	Absent/10 ml	Absent/10 ml
Enterobacteriaceae	USP <2021>	<10 MPN/ml	<10 MPN/ml	<10 MPN/ml
<i>Pseudomonas aeruginosa</i>	USP <62>	Absent/10 ml	Absent/10 ml	Absent/10 ml
<i>Staphylococcus aureus</i>	USP <2022>	Absent/10 ml	Absent/10 ml	Absent/10 ml
Yeast & Mold	FDA BAM 8th Ed.	< 1,000 cfu/ml	<25 cfu/ml	<25 cfu/ml

Analyst:

*Handwritten signature*

Date Signed: 7/15/2019

Reviewer:

*Handwritten signature*

Date Signed: 7/15/2019

Quality Assurance:

*Handwritten signature*

Date Signed: 7/15/2019

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