



NuEthix Formulations  
11365 Sixth St E.  
Treasure Island, FL 33706

**Certificate of Analysis**  
**Item Name:** NuEthix Jumpstart  
**Lot Number:** 2410142  
**Expiration Date:** Oct 2026  
**Report Date:** 11/14/2024

Test	Method *or equivalent	Specification	Result	Pass or Fail
Appearance	Visual	Conforms to Standard	Free flowing powder	Pass
Color	Visual	Light Brown	Conforms	Pass
Odor	Olfactory	Characteristic	Conforms	Pass
Taste	Gustatory	Characteristic	Conforms	Pass
<b>Microbiology</b>				
Total Plate Count	AOAC*	<100,000 cfu/g	<100 cfu/g	Pass
Total Yeast & Mold	AOAC*	<1000 cfu/g	<100 cfu/g	Pass
S. aureus	AOAC*	Negative in 10g	Negative in 10g	Pass
Salmonella spp.	AOAC*	Negative in 10g	Negative in 10g	Pass

<b>Density</b>	Graduated Cylinder	0.2 0.7 g/mL	0.468 g/mL	Pass
<b>Loss on Drying</b>	DSH50.01	< 7.0 %	1.20%	Pass

**DATE:** 11/19/2024



## Certificate of Analysis

### Client Information

NuEthix Formulations  
11365 Sixth St E.  
Treasure Island, FL 33706

### Sample Information

Sample ID: 792173  
Date Received: 1/20/2025  
Description: Nuethix Jumpstart  
Lot#: 2410142

### Results

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
<u>Complete Micro Profile</u>	USP <2021>, USP <2022>, AOAC 991.14					1
Total Plate Count	USP <2021>	100	Record Only	None Detected	cfu's/g	1
Coliforms	AOAC 991.14	10	Record Only	None Detected	cfu's/g	1
E. coli	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Staphylococcus aureus	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Salmonella	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Yeast	USP <2021>	100	Record Only	None Detected	cfu's/g	1
Mold	USP <2021>	100	Record Only	None Detected	cfu's/g	1
<u>Heavy Metals</u>	ARL ICPMS 8.016					1
Arsenic (As)	ARL ICPMS 8.016	0.001	Record Only	0.082	ppm	1
Cadmium (Cd)	ARL ICPMS 8.016	0.001	Record Only	0.001	ppm	1
Mercury (Hg)	ARL ICPMS 8.016	0.001	Record Only	0.001	ppm	1
Lead (Pb)	ARL ICPMS 8.016	0.001	Record Only	0.050	ppm	1

†Method Detection Limit (MDL):

In microbiologic testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None Detected", it means any visible growth was below this limit.

†Limit of Quantitation (LOQ):



## Results

Analysis	Method	<sup>†</sup> MDL / LOQ	Specification	Results	UOM	Lab ID
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In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

**Under accreditation number 77504, ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO/IEC 17025:2017 methods are available upon request. Certificate and scope are also available upon request.**