

CERTIFICATE OF ANALYSIS

Third-party analytical testing · summary cover sheet

4X Blend: Methionine / Choline / L-Carnitine / Dexpanthenol

AVL-LIPO

AVATA LABS SKU	AVL-LIPO
BATCH / LOT	20251222L06120S10
DATE TESTED	2026-02-27
PURITY (HPLC-UV)	.
PERFORMING LAB	Analytical Formulations, Inc.
SCOPE	Microbial · Heavy metals
ARTIFACT ID	coa_e165ed8cef2d5a8a3781c98644305dc9

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ORDERED BY



AVATA LABS

Avata Labs

PRODUCT

NAME 4X Blend 10ml
(120mg/ml)
SKU YPB.268
CATEGORY Blend Quantitative
Assay + Heavy Metals +
Microbial

SAMPLE

BATCH 20251222L06120S10
TESTED 2026-02-27

DESCRIPTION

Vial with white powder — sealed with plastic security cap. Flag tag attached at neck with manufacturer / product SKU number, PO, and expiration.

PERFORMING LAB

Analytical Formulations, Inc.
8940 Fourwinds Drive STE 107, Windcrest, TX 78239
<https://analyticalformulations.com>
Lab-certified result data: 2026-06-02



Submitted vial — YPB.268



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Purity Analytics LLC

ISSUED 2026-06-21 16:55:24 UTC
ISSUER Sectigo RSA Document Signing CA
ALGORITHM RSA-SHA512
FIELD PuritySignature
TYPE adbe.pkcs7.detached
CERT SERIAL 80EE9C34821454C706346FA64888B1B5
CERT SHA-256 E2467E56CFEE3DA8...AF9CBF0875552610
TIMESTAMP Sectigo RFC 3161 TSA

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ANALYTICAL RESULTS

COMPONENT	ANALYTE	SPECIFICATION	RESULT	P/F
Choline Chloride	Quantitative Assay	50mg/ml (NLT 90%) $\% = \frac{A_{TS}}{A_{STD}} \times \frac{C_{STD}}{C_{TS}} \times 100$	53.05 mg	✓
L-Carnitine	Quantitative Assay	50mg/ml (NLT 90%) $\% = \frac{A_{TS}}{A_{STD}} \times \frac{C_{STD}}{C_{TS}} \times 100$	52.28 mg	✓
L-Methionine	Quantitative Assay	15mg/ml (NLT 90%) $\% = \frac{A_{TS}}{A_{STD}} \times \frac{C_{STD}}{C_{TS}} \times 100$	15.50 mg	✓
Dexpanthenol	Quantitative Assay	5mg/ml (NLT 90%) $\% = \frac{A_{TS}}{A_{STD}} \times \frac{C_{STD}}{C_{TS}} \times 100$	5.12 mg	✓
	Heavy Metals (Total Quantity)	NMT 150 ppb/vial (including Pb, Cd, Hg, Ni, Fe & Co)	<10 ppb	✓
	TAMC (Aerobic/Coliform)	NMT 1,000 CFU · Incubated 48 hrs @ 37°C	0 CFU	✓
	TYMC (Yeast & Molds)	NMT 100 CFU · Incubated 48 hrs @ 30°C	0 CFU	✓



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METHODS

- Quantitative Assay
- Heavy Metals - Total Quantity
- TAMC (Total Aerobic Microbial Counts)
- TYMC (Total Yeast and Mold Counts)

Microbial specifications follow the Substances for Pharmaceutical Use compendium. UV-Vis measurements performed on a Jenway 6715 UV/Vis Spectrophotometer.



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PERFORMING LABORATORY & CERTIFICATION

PERFORMING LABORATORY

Analytical Formulations, Inc.

8940 Fourwinds Drive STE 107, Windcrest, TX 78239

<https://analyticalformulations.com>

A laboratory-authorized user certified on 2026-06-02 that the submitted result data and the Purity Analytics COA generated from that data accurately represent the laboratory's reported findings for the sample identified in this report.

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NOT FOR HUMAN OR VETERINARY CONSUMPTION. NOT FOR CLINICAL, DIAGNOSTIC, THERAPEUTIC, OR DRUG USE.

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DISCLAIMER & SCOPE OF TESTING

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