



CERTIFICATE OF ANALYSIS

REPORT ONE-CAR20-101226
VERIFICATION CODE G6YJQLHX

Client and sample information

CLIENT	One Aminos	PRODUCT	Cartalax
BATCH / LOT	ONE-CAR20-101226	LABELED CONTENT	20 mg
REPORT NUMBER	ONE-CAR20-101226	ISSUE DATE	10/12/2026
DATE RECEIVED	10/06/2026	DATE ANALYSED	10/08/2026
SAMPLE IDS	Dedicated V0 / Conformity V1	APPEARANCE	Good
SAMPLE MATRIX	Lyophilized powder	VIAL CAPACITY	3 mL
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Analytical results summary

Test	Method	Specification	Result	Status
Identity	HPLC-RTM	C12H19N3O8	Cartalax	PASS
Peptide purity	RP-HPLC, 214 nm	>= 95.0%	99.51%	PASS
Net peptide content	Quantitative HPLC	Report only	20.56 mg (V0)	N/A
Vial conformity	HPLC, 2 samples	Individual results	See page 2	PASS
Heavy metals	ICP-MS	5 element limits	Not detected	PASS
Sterility screen	Rapid sterility	No growth	No growth	PASS
Endotoxin	USP <85>	<= 0.5 EU/mL	0.069 EU/mL	PASS
Fentanyl screen	Immunoassay	50 ng/mL cutoff	Not detected	PASS

ANALYTICAL REVIEW: APPROVED FOR ISSUE



IDENTITY, PURITY AND CONTENT

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METHOD	RP-HPLC / retention comparison	UV DETECTION	214 nm
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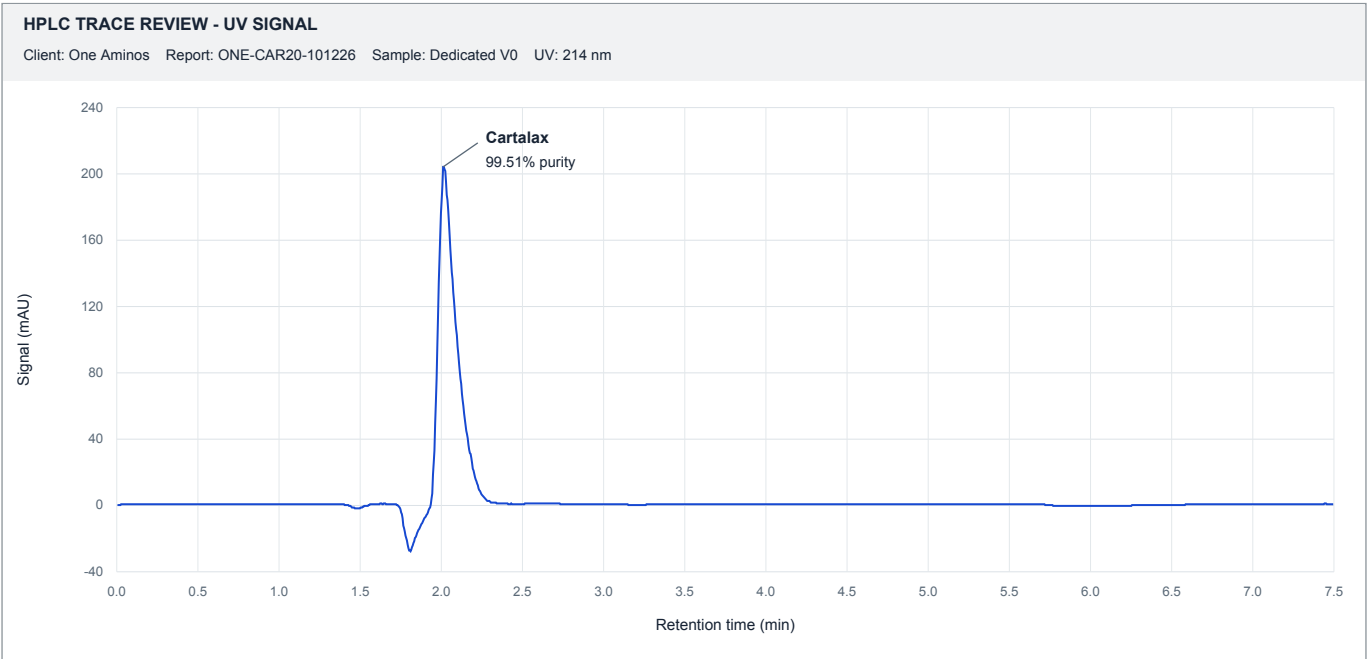
Analytical results

Analyte	Specification	Result	Unit	Status
Peptide purity (HPLC)	>= 95.0%	99.51	%	PASS
Net peptide content, V0	Report only	20.56	mg	N/A
Identity (HPLC-RTM)	C12H19N3O8	Cartalax	-	PASS

HPLC conformity testing - 2 samples

Sample	Purity	Net content	Identity	Result
Dedicated V0	99.51%	20.56 mg	Confirmed	PASS
Conformity V1	99.51%	20.58 mg	Confirmed	PASS
Mean (n = 2)	99.51%	20.57 mg	-	-
Population SD (n = 2)	-	0.0100 mg	-	-

HPLC chromatogram



Trace recreated from the supplied chromatogram.



MICROBIOLOGY AND ENDOTOXIN

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Rapid sterility screening

Test	Method	Specification	Result	Status
Sterility screen	Rapid sterility	No growth	No growth	PASS

RAPID STERILITY: NO GROWTH - PASS

Bacterial endotoxin - USP <85>

TEST PERFORMED	Bacterial endotoxin	ASSAY	Kinetic chromogenic
REFERENCE	USP <85>	SAMPLE RESULT	0.069 EU/mL

Parameter	Result / reporting basis
Endotoxin level	0.069 EU/mL
Acceptance limit	<= 0.5 EU/mL
Status	PASS

ENDOTOXIN: 0.069 EU/mL - PASS



HEAVY METALS AND AUTHORISATION

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Elemental impurities - ICP-MS

Element	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	Not detected	PASS
Cadmium (Cd)	NMT 0.5 ppm	Not detected	PASS
Chromium (Cr)	NMT 10 ppm	Not detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not detected	PASS
Lead (Pb)	NMT 1 ppm	Not detected	PASS

ELEMENTAL IMPURITIES SCREEN - PASS

Additional screen - fentanyl

Test	Method / cutoff	Result	Status
Fentanyl screen	Immunoassay, 50 ng/mL	Not detected	PASS

Laboratory authorisation

Approved and authorised for issue

Bhavrat Singh
Head Lab Director

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Authorised signature - Bhavrat Singh