

PRODUCT

GLP-1 Sema

GLP-1 analogue

CATALOG	VA-GLP1-5MG
CAS	910463-68-2
FORMULA	C187H291N45O59
MOL. WEIGHT	4114.0 avg · 4111.12 monoisotopic
SEQUENCE	—
FORM	Lyophilized powder
FILL WEIGHT	5 mg
CONTAINER	3 mL vial

BATCH

BATCH IDENTIFIER	
VA-2512-4447	
MANUFACTURED	2026-04-29
FILLED	2026-05-12
ANALYSED	2026-05-16
RETEST BY	2028-04-29
STORAGE	Refrigerated, 2–8 °C, protected from light

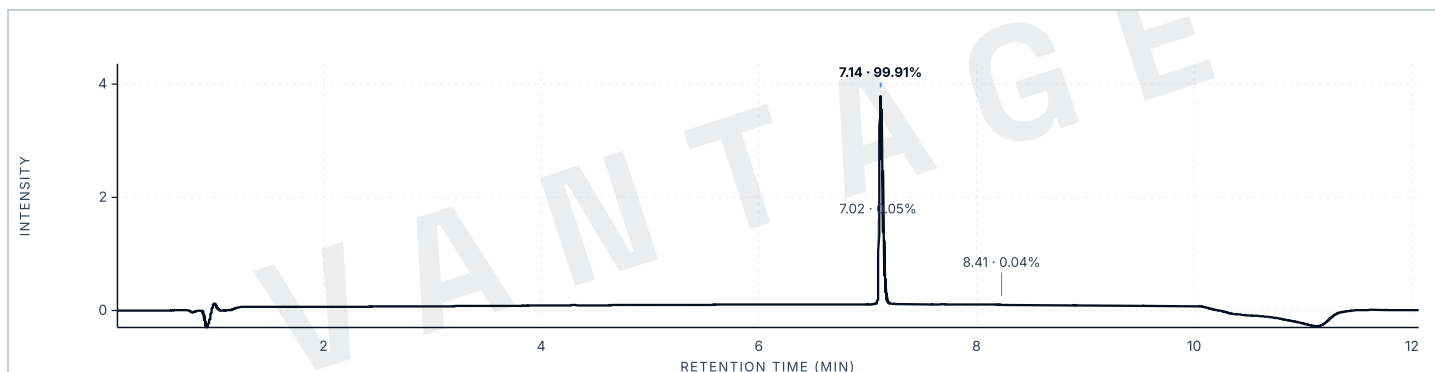
RESULTS

TEST / METHOD	SPECIFICATION	RESULT	STATUS
Appearance Visual inspection (Vantage Aminos)	White lyophilized powder	Conforms	PASS
Identity HPLC-UV-MS, positive polarity (+MS)	Theoretical mass ± 1.0 Da	4111.21 Da (theor. 4111.12)	PASS
Purity HPLC-UV, area % · DAD 209.9-290.1 nm	≥ 98.0 %	99.91 %	PASS
Quantity Quantitation as reported	90–110 % of label (5 mg)	4.982 mg (99.6 % of label)	PASS
Largest single impurity HPLC-UV, area %	Report	0.05 % at 7.02 min	REPORT
Water content Karl Fischer titration	≤ 8 % w/w	4.34 % w/w	PASS

HOW TO VERIFY THIS CERTIFICATE

- 1 All units are shipped from the most recent batch. Confirm the compound and fill weight shown above match the product you ordered.
- 2 This certificate is published on the product page at <https://vantageaminos.co/product/glp-1-sema-5mg/>, alongside the certificate for every other batch of this product.
- 3 Any question about this analysis: contact support@vantageaminos.co quoting the batch identifier above.

HPLC CHROMATOGRAM



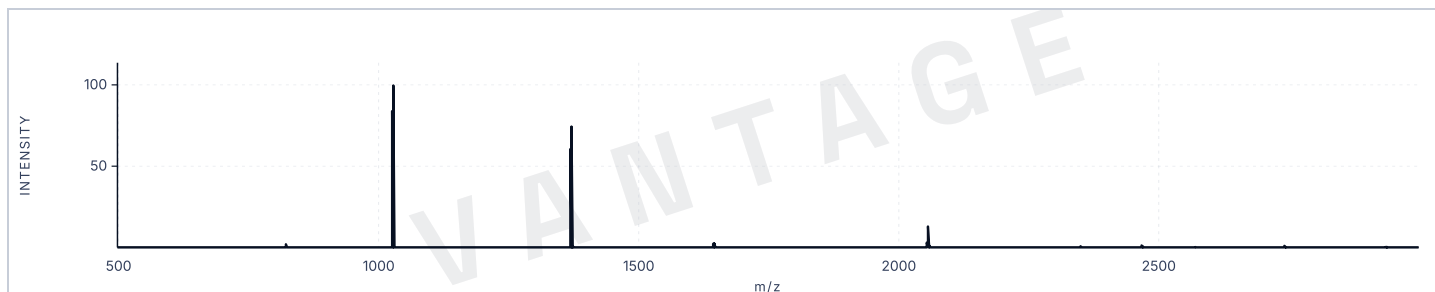
PEAK INTEGRATION

RT (MIN)	AREA	AREA %	ASSIGNMENT
7.02	3.95E+01	0.05	unassigned
7.14	8.43E+04	99.91	Semaglutide
8.41	3.41E+01	0.04	unassigned

MASS SPECTROMETRY

Technique	HPLC-UV-MS (as printed on certificate)
Ionisation	Positive polarity (+MS)
Scan range	m/z 497.9 – 2999.3 (as plotted)
Theoretical mass	4111.12 Da
Observed mass	4111.21 Da
Deviation	+0.09 Da

MASS SPECTRUM



HPLC METHOD

Technique	Reverse-phase HPLC with UV detection, MS confirmation
Detection	209.9-290.1 nm (DAD range, not a single wavelength)