

PRODUCT

KPV

alpha-MSH 11-13

CATALOG	VA-KPV-10MG
CAS	67727-97-3
FORMULA	C16H30N4O4
MOL. WEIGHT	342.4 avg · 342.23 monoisotopic
SEQUENCE	Lys-Pro-Val
FORM	Lyophilized powder
FILL WEIGHT	10 mg
CONTAINER	3 mL vial

BATCH

BATCH IDENTIFIER

VA-2512-6375

MANUFACTURED	2026-04-21
FILLED	2026-05-12
ANALYSED	2026-05-15
RETEST BY	2028-04-21
STORAGE	Refrigerated, 2–8 °C, protected from light

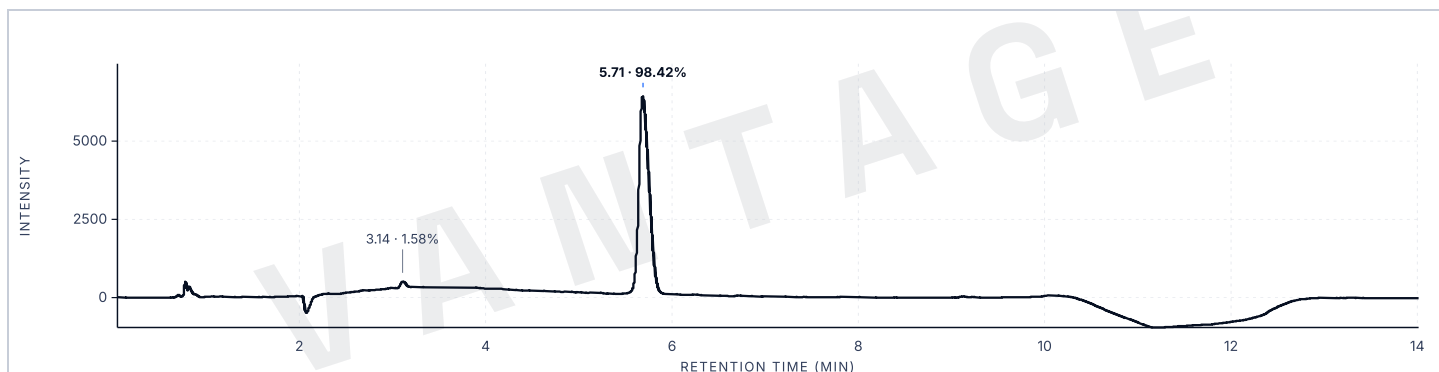
RESULTS

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	342.25 Da (theor. 342.23)	PASS
Purity HPLC-UV, area % · DAD 210.1-396.6 nm	≥ 98.0 %	98.42 %	PASS
Quantity Quantitation as reported	90–110 % of label (10 mg)	10.943 mg (109.4 % of label)	PASS
Largest single impurity HPLC-UV, area %	Report	1.58 % at 3.14 min	REPORT
Water content Karl Fischer titration	≤ 8 % w/w	4.68 % 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/kpv-lys-pro-val/>, 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



UV chromatogram, 210.1-396.6 nm

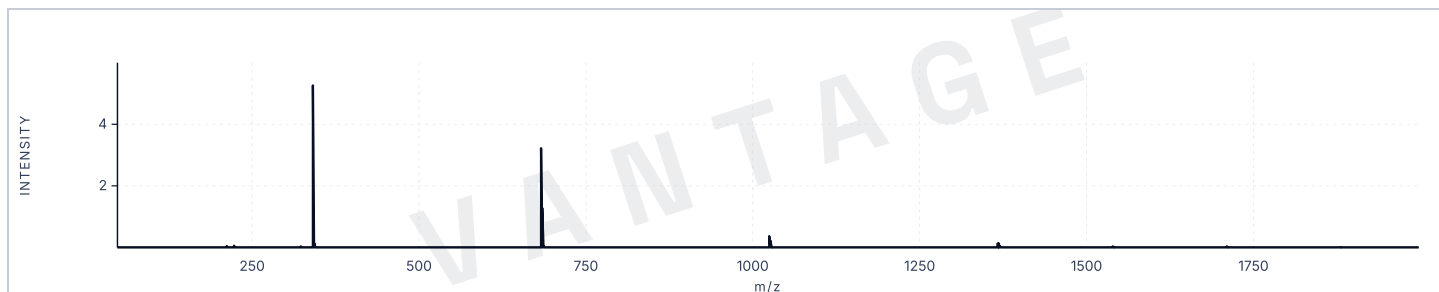
PEAK INTEGRATION

RT (MIN)	AREA	AREA %	ASSIGNMENT
3.14	7.76E+02	1.58	unassigned
5.71	4.85E+04	98.42	KPV

MASS SPECTROMETRY

Technique	HPLC-UV-MS (as printed on certificate)
Ionisation	Positive polarity (+MS)
Scan range	m/z 48.2 – 1997.5 (as plotted)
Theoretical mass	342.23 Da
Observed mass	342.25 Da
Deviation	+0.02 Da

MASS SPECTRUM



Full-scan mass spectrum. Base peak m/z 343.25

HPLC METHOD

Technique	Reverse-phase HPLC with UV detection, MS confirmation
Detection	210.1 - 396.6 nm (DAD range, not a single wavelength)