

# CERTIFICATE OF ANALYSIS

## BATCH VERIFICATION

<b>BATCH</b>	K7392
<b>Date</b>	03.03.2026
<b>Purity</b>	99.49% HPLC
<b>Heavy Metals</b>	Non-detected
<b>Size</b>	10mg

## HPLC Purity Test – KPV (Lys-Pro-Val Tripeptide), Batch: K7392



## TECHNICAL PROPERTIES

Property	Details
<b>Product</b>	KPV (Lys-Pro-Val Tripeptide)
<b>Identifiers</b>	CAS 67727-97-3
<b>Molecular Formula</b>	$C_{16}H_{30}N_4O_4$
<b>Molecular Weight</b>	342.44 g/mol
<b>Storage</b>	-20°C = 2–3 Years, 4°C = up to 3 Months, 25°C = 2–4 Weeks. In Solvent: -80°C = 6 Months, -20°C = 1 Month, 2–8°C = 1 Week (use bacteriostatic water; aliquot and avoid repeated freeze-thaw)
<b>Chemical Structure</b>	Lys-Pro-Val ( $\alpha$ -MSH C-terminal tripeptide; anti-inflammatory and antimicrobial properties).

## TEST RESULTS

Test Item	Specification	Method	Result
<b>Appearance</b>	White to off-white lyophilized powder	Visual	Conforms
<b>Purity (HPLC)</b>	≥99%	HPLC	99.49%
<b>TFA Content</b>	< 0.50%	NMR	Conforms
<b>Identification</b>	Consistent with reference	MS/NMR	Pass

Certified by:

R. Goldman

Assurance Date: 03.03.2026

This Certificate of Analysis confirms the testing performed on the batch identified above. The product was manufactured in Europe and tested in collaboration with Analiza Białek Analytical Laboratory, with all analyses conducted in accordance with validated HPLC and NMR methods. These results pertain exclusively to this batch and have been reviewed and verified by the Nexyra Lab Quality Control Department.