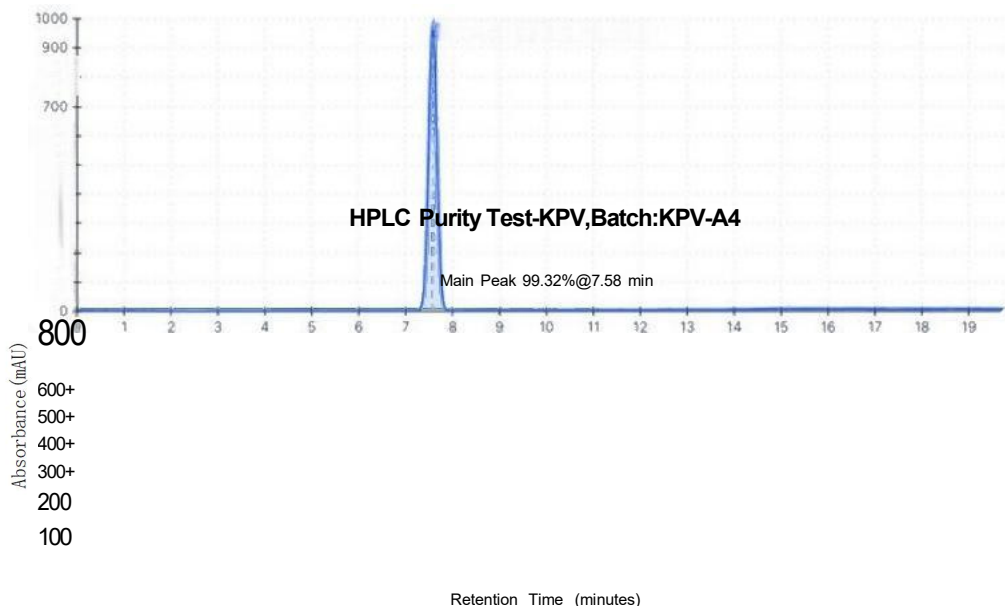


## CERTIFICATE OF ANALYSIS



### BATCH VERIFICATION

<b>BATCH</b>	KPV-A4
<b>Date</b>	20.10.2025
<b>Purity</b>	99.32% HPLC
<b>Heavy Metals</b>	Non-detected

### TECHNICAL PROPERTIES

Property	Details
<b>Product</b>	KPV (Lys-Pro-Val Tripeptide)
<b>Identifiers</b>	CAS 67727-97-3
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>30</sub> N <sub>4</sub> O <sub>5</sub>
<b>Storage</b>	Powder stable 3 yrs(-20°C), 2 yrs(4°C), 3 mo(25°C). Reconstituted -80°C 6mo, -20°C 1mo, 20°C 1wk.
<b>Chemical Structure</b>	Lys-Pro-Val(a-MSH C-terminal tripeptide; anti-inflammatory and antimicrobial properties).

### TEST RESULTS

Test Item	Specification	Method	Result
<b>Appearance</b>	White to off white lyophilized solid	Visual	Conforms
<b>Purity(HPLC)</b>	≥98.5%	HPLC	99.32%
<b>TFA Content</b>	≤0.50% w/w	NMR	Conforms
<b>Identification</b>	Consistent with reference	MS/NMR	Pass