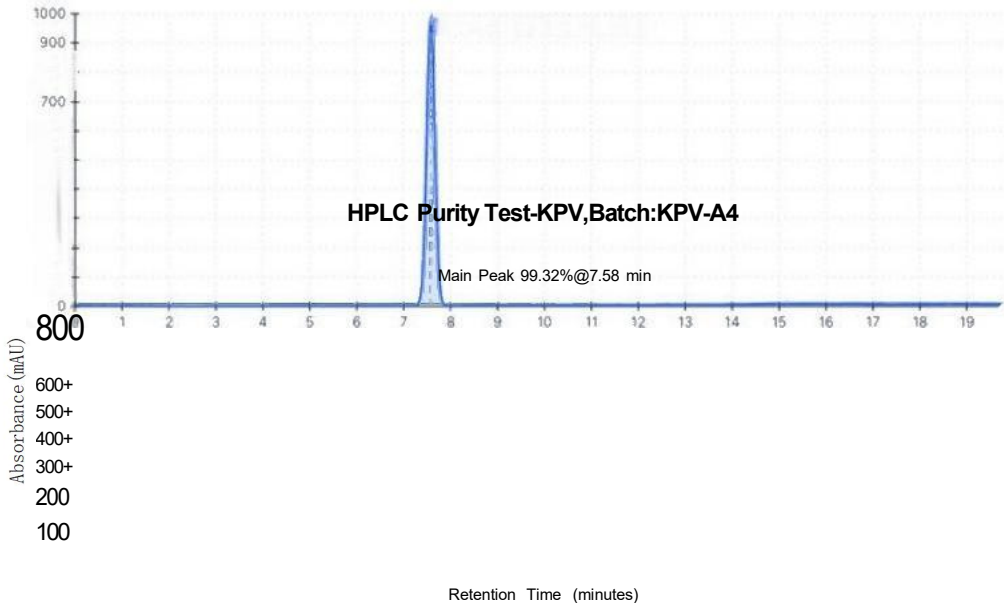


CERTIFICATE OF ANALYSIS

BATCH VERIFICATION

BATCH	KPV-A4
Date	2026.01.23
Purity	99.32%HPLC
Heavy Metals	Non-detected



TECHNICAL PROPERTIES

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

TEST RESULTS

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

