genesisbiolabs

COA #: 1507750

Title:

Certificate of Analysis (CoA)

Date: 6/2/2026
Date Tested: 6/15/2026
Customer: Peptides Optimized LLC
Testing material: KPV
Lot Number: KV3502
BT Sample ID: 00500003944603
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, pink label, silver crimp, blue plastic cap.
Labeled as: KPV
Manufacturer: N/A
Testing Purpose: FTIR and HPLC analysis for the identification, purity, potency and composition of a peptide product. It does not provide information on particulate matter, microbial contamination or presence of endotoxins.
(ABI-TEST 0012) test quantifies bacterial endotoxin levels to confirm that the product does not elicit pyrogenic reactions, maintaining patient safety and product integrity

Test	Method	Specification	Result
General Appearance	USP <630>	white powder	white powder
Mass	USP <41>	As recorded	48.1 mg
FTIR Identification and Composition Analysis	USP <197A>	Sample spectrum should confirm the content of peptide via characteristic bands	FTIR sample spectrum confirms the presence of KPV with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: ≥ 98 %	99.1 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	9.3 mg (93.1 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	9.3: 68.2 mg (1:7.3)

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

Title:

Certificate of Analysis (CoA)

Test	Method	Specification	Result
Bacterial Endotoxins Test	USP <85>	40 EU/vial reconstituted	PASS

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

Bacterial Endotoxins Test KPV Lot KV3502

Sample ID	Description	Volume (mL)	Endotoxin Limit (EU/vial)	Lysate Sensitivity (λ, EU/mL)	Result
KV3502	KPV	3	40 EU/vial	0.25	19.3 EU/vial

The sample passed a valid gel clot endotoxin test based on the type, mode of administration and dosage.