PURPOSE PEPTIDES

Company Name	Purpose Peptides LLC
Task Number	

Name	KPV (Lysine-Proline-Valine)
Sample	Purpose KPV 10mg
Batch	KP10/2025-0801
Order Date	7/29/2025
Received	8/82025
Conducted	8/11/2025
CAS#	112965-21-6
Formula	C17H31N5O5
M.W.	384.48 g/mol
Test Type	LC-MS, Mass Spec, HPLC
Appearance	Odorless, white powder

Purity & Impurity Profile

Test	Specification	Result	
Total Purity (HPLC)	≥ 98.00%	**99.42%**	**Pass**
Single Impurity	≤ 1.00%	**0.38%**	**Pass**
Total Impurities	≤ 2.00%	**0.64%**	**Pass**
Water Content	≤ 6.00%	**3.31%**	**Pass**
TFA Content	≤ 0.50%	**0.43%**	**Pass**

Identity Testing

Test	Specification	Result	
Peptide Sequence Confirmation (LCMS)	Pass / No Pass	**C17H31N5O5**	**Pass**
Purity Profile (HPLC)	≥ 98.00%	**98.89%**	**Pass**
Retention Time (HPLC)	Within Reference Range	**Complies**	**Pass**

Additional Testing

Test	Specification	Result	
Mass Analysis	Within ±1.0 Da	**Verified**	**Pass**
Endotoxin	< 0.25 EU/mg	**Complies**	**Pass**
Bioburden	< 100 CFU/g	**Not Detected**	**Pass**
Heavy Metals	≤ 10 ppm	**Complies**	**Pass**

Comments

Purpose Peptides LLC

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Date: **8/11/2025**

Signature: