



# CERTIFICATE OF ANALYSIS (COA)

Matrixyl (Palmitoyl Pentapeptide-4)

Doc No: VEL-COA-MATRIXYL-VEL-202602-027 | Rev: 1.0 | 22 Feb 2026

For Research Use Only · Not for Human Consumption

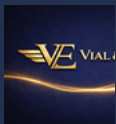
PRODUCT IDENTIFICATION	
Product Name	Matrixyl (Palmitoyl Pentapeptide-4)
Catalog / SKU	VEL-MATRIX
CAS Number	214047-00-4
Formula	C39H62N6O9
Mol. Weight	763.0 g/mol

LOT / BATCH INFORMATION	
Lot Number	VEL-202602-027
Manufacture Date	22 Feb 2026
Expiry Date	22 Feb 2028
Storage	-20°C, desiccated, protected from light
Sequence / Type	Pal-Lys-Thr-Thr-Lys-Ser

QUALITY CONTROL TEST RESULTS				
TEST PARAMETER	SPECIFICATION	RESULT	METHOD	STATUS
Appearance	White to off-white lyophilized powder	Conforms	Visual	✓ PASS
Identity (MS)	MW confirmed $\pm 0.5$ Da	Confirmed	LC-MS	✓ PASS
Purity (HPLC)	$\geq 98\%$ (HPLC)	98.5%	RP-HPLC, UV 214	✓ PASS
Water Content (KF)	$\leq 10.0\%$ w/w	7.1%	Karl Fischer	✓ PASS
Residual Solvents	ICH Q3C Class 2	Conforms	GC-FID	✓ PASS
Bacterial Endotoxins	$< 10$ EU/mg	$< 5$ EU/mg	LAL (gel-clot)	✓ PASS
Sterility (14-day)	No growth	No growth	USP $< 71 >$	✓ PASS
pH (1% aqueous)	4.0–9.0	6.9	Potentiometric	✓ PASS
Solubility	Soluble in ethanol/water mixture	Complete dissolution	Visual/turbidimetric	✓ PASS

OVERALL LOT DISPOSITION	
<b>✓ RELEASED FOR DISTRIBUTION</b>	All specifications have been met for Lot <b>VEL-202602-027</b> . This lot is hereby released for research distribution.
	<b>Authorized by:</b> Quality Control Manager, Vial & Error Labs <b>Authorization Date:</b> 22 Feb 2026 <b>Expiry:</b> 22 Feb 2028

PHYSICAL & CHEMICAL DESCRIPTION	
Appearance	White to off-white lyophilized powder
Solubility	Soluble in ethanol/water mixture
Storage	-20°C, desiccated, protected from light
Sequence / Notes	Pal-Lys-Thr-Thr-Lys-Ser
Reconstitution	Add sterile water for injection (WFI) or appropriate buffer dropwise to achieve desired concentration. Gently swirl until dissolved. Do not vortex. Filter through 0.22 $\mu\text{m}$ membrane filter if sterility is required.



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<b>Handling Notes</b>	Allow vial to equilibrate to room temperature before opening to minimize condensation. Aliquot into single-use volumes before freezing to avoid repeated freeze-thaw cycles.
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**RESEARCH USE ONLY — IMPORTANT DISCLAIMER:** This product is supplied for in vitro and ex vivo laboratory research purposes only. It has not been evaluated by the FDA or any other regulatory authority for safety, efficacy, or quality. It is not approved or intended for human therapeutic, diagnostic, veterinary, or food use. This COA is specific to the lot number stated above and should be retained with your records. Vial & Error Labs assumes no liability for misuse or use outside the intended research context. The purchaser assumes full responsibility for compliance with all applicable laws and regulations.