



MATRIXOME, Inc.
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Institute for Protein Research, Osaka University
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CERTIFICATE of ANALYSIS

ProductName	perLAM-421
Lot No.	4P25A001
Product No.	101-421 101-422

Contents	101-421: 350 µL x 2 pcs 101-422: 350 µL x 6 pcs
Solvent	20 mM phosphate buffer (pH 6.8-7.2), 500 mM NaCl
Date of Manufacture	January 08.2025
Expiration Date	January 07.2028
Manufacturer	MATRIXOME, Inc.
Issue Date	October 28.2025

Test Item*	Specification	Result
Bacterial Endotoxins Test	≤ 50.0 EU/mg	PASS
Mycoplasma Test (Luciferase Assay)	Negative	Negative
Purity (SDS-PAGE)	≥ 90.0%	95.0%
Integrin Binding Assay (Kd)	≤ 10.0 nM	PASS
bFGF Binding Assay (Kd)	≤ 5.0 nM	PASS
Concentration	500 ± 50 µg/mL	521 µg/mL

*Test items are JP Pharmacopoeia protocols or any other standardized protocols for our testing.

** No sterility test item, but the filtration sterilization process uses a 0.22 µm filter.

Taiko Kunieda, QC Testers	Taiko Kunieda
Yasuhiro Shimizu, manufacturing manager.	清水 泰博