

PRODUCT

LOT NUMBER

TESTING LABORATORY

ACCREDITATION

MFG / EXPIRY

REPORT ISSUED

melatonin I

PBL-24172

Aegis Bioanalytical Laboratories - independent

ISO/IEC 17025 · San Diego, CA

Jun 7, 2026 / Jun 6, 2028

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REPORT ID **AEG-0FZH2FS**

Verify authenticity at localhost:3060/verify

METHODS RP-HPLC - purity · ESI-MS - identity · ICP-MS - heavy metals · LAL - endotoxin

TEST RESULTS

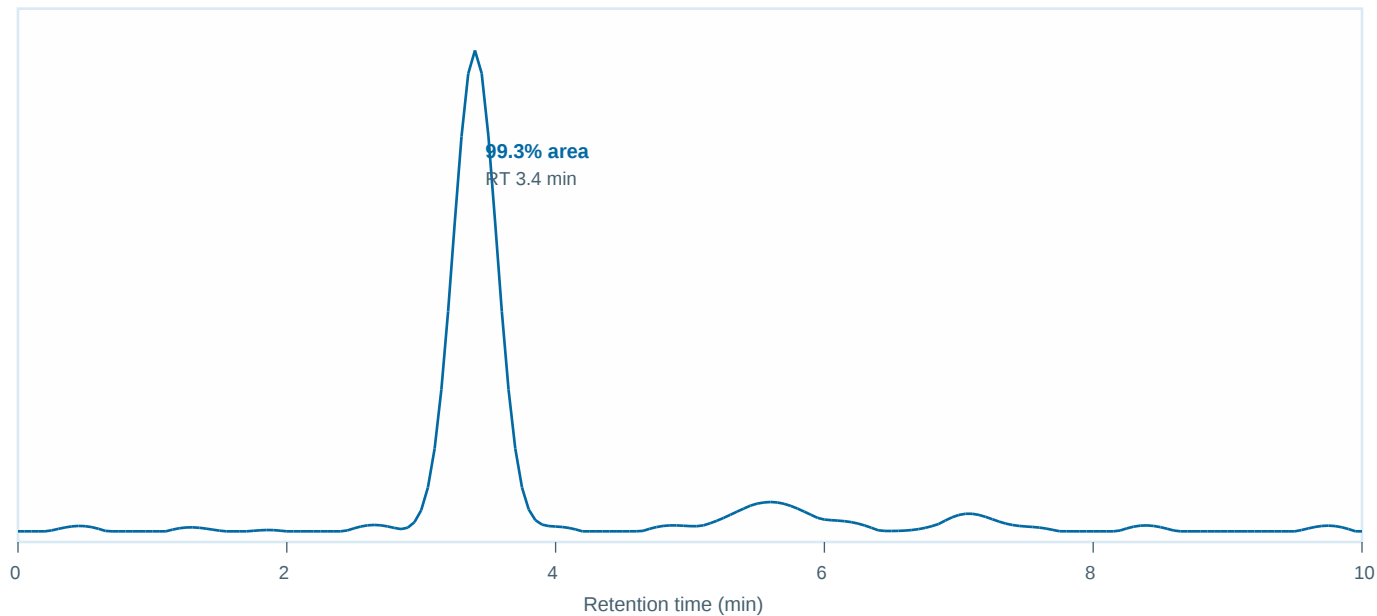
TEST	RESULT	SPECIFICATION	STATUS
Appearance	White lyophilized powder	Conforms	PASS
Identity - ESI-MS	Conforms (found)	Conforms (theoretical)	PASS
Purity - RP-HPLC	99.3%	>= 98.0%	PASS
Net peptide content	90%	>= 80%	PASS
Single impurity (max)	0.26%	<= 1.0%	PASS
Water content (Karl Fischer)	3.0%	<= 8.0%	PASS
Acetate content	10.6%	<= 15%	PASS
Heavy metals (ICP-MS)	Pb/As/Cd/Hg < 1 ppm	<= 10 ppm	PASS
Bacterial endotoxin (LAL)	< 2.3 EU/mg	<= 10 EU/mg	PASS
Bioburden	Not detected	< 10 CFU/vial	PASS

Authorized signatory, Quality Assurance
Aegis Bioanalytical · Analytical Services

RP-HPLC CHROMATOGRAM

Column: C18, 4.6 x 150 mm, 3.5 μ m · Gradient 0.1% TFA / acetonitrile · Detection 214 nm

Response (mAU)



PEAK INTEGRATION

Main peak (target)	RT 3.4 min · 99.3% area
Related substances	< 1.0% total · largest single < 0.5%
ESI-MS identity	Conforms (found) vs Conforms (theoretical)