Certificate of Analysis

Product Name : Melanitan-2

Storage Temperature : Freezer -20°C

Amino acid sequence: Ac-Nle-cyclo[Asp-His-D-Phe-Arg-Trp-Lys]-NH2

Molecular Formula : $C_{50}H_{69}N_{15}O_9$

Formula Weight : 1024.2

Counter Ion: acetate

Quality Release Date : 01 Sept 2026

Test	**Specification**	**Result**
Appearance (Color)	White to Off-White	White
Appearance (Form)	Lypholized Solid	Lypholized Solid
Purity (HPLC)	≥ 95.0 %	99.7%
Identity (ESI-QTOF mass spectrometry)	Confirmed	Confirmed
Water content	≤ 5.0 %	2.1%
Loss of drying	≤ 1.0 %	0.3%
Heavy metals	Pb ≤ 0.5ppm	N.D.
	As ≤ 0.5ppm	N.D.
	Hg ≤ 0.5ppm	N.D.
	Cd ≤ 0.5ppm	N.D.
E. coli	≤ 2 MPN/g	N.D.
Salmonella	N.D.	N.D.

ONYX BIO LAB

ESI-QTOF mass spectrometry analysis



