

Certificate of Analysis (COA)

Product Name: PT-141(Bremelanotide)

Lot No.: 3132125

Sequence: Ac-Nle-cyclo[Asp-His-D-Phe-Arg-Trp-Lys]-OH

Modifications: N-terminal acetylation; Norleucine (Nle) substitution; Cyclization (Asp–Lys lactam) specificity; D-phenylalanine

Storage Conditions: -20°C

Report Date: 15 Mach 2026

Test Results

Test Item	Specification	Result
Appearance	White to off-white lyophilized powder	Conforms
Molecular Weight (MS)	1025.2 ±1.0 Da	1026.2 Da
Purity (HPLC)	>98%	99.4%
Retention Time (HPLC)	+0.2 min of standard	Conforms
Assay	95.0–105.0%	99.2%
Solubility	Freely soluble in water	Conforms
Acetic Acid Content	≤ 5000 ppm	1300 ppm
TFA Content	≤ 50 ppm	14 ppm
DCM Content	≤ 50 ppm	N.D.
DMF Content	≤ 100 ppm	N.D.
E. Coli & Salmonella	Absent	N.D.
Total Aerobic Count	≤100 CFU/g	<10 CFU/g
Yeast & Molds Count	≤10 CFU/g	<10 CFU/g
Endotoxins	≤0.5 EU/mg	<0.05EU/mg