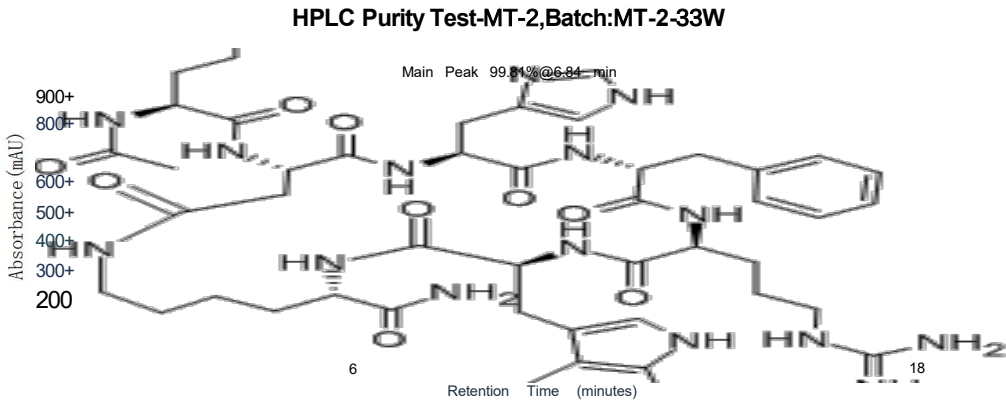


CERTIFICATE OF ANALYSIS

BATCH VERIFICATION

BATCH	MT-2
Date	2026.3.21
Purity	99.33%HPLC
Heavy Metals	Non-detected



TECHNICAL PROPERTIES

Property	MT-2(Melanotan 2 Acetate)
Product	Melanotan 2 Acetate(Tanning / Sexual Function / Fat Loss)
Identifiers	CAS 121062-08-6
Molecular Formula	C ₅₀ H ₆₉ N ₁₅ O ₉
Molecular Weight	1024.18/Da
Storage	Powder stable 3 yrs (105°C),2 yrs(4°C),3 mo(25°C).Reconstituted:-80°C=6mo, -20°C=1mo,20°C=1wk.
Chemical Structure	Ac-Nle-c[Asp-His-D-Phe-Arg-Trp-Lys]-NH ₂

TEST RESULTS

Test Item	Specification	Method	Result
Appearance	White to off-white lyophilized solid	Visual	Conforms
Purity(HPLC)	≥99 %	HPLC(C18,220 nm)	99.33%@RT=6.84 min
TFA Content	≤0.50%w/w	NMR	Conforms
Identification	Consistent with reference	MS/NMR	Pass