

// Research reference document

Semaglutide

In-vitro laboratory research reagent — not for human or veterinary consumption.

Product identification

Product name	Semaglutide
Lot / batch	NXP-6263-C8C7
Molecular weight	4113.6 g/mol
Physical form	Lyophilised white powder
Storage	-20°C, protected from light
Test date	2026-08-01
Retest / expiry	2028-07-31

Analytical results

Test	Method	Specification	Result
Purity	RP-HPLC (220 nm)	>= 99.0%	99.39%
Confirmation	RP-HPLC (280 nm)	Consistent w/ 220 nm	Pass
Identity	LC-MS	MW 4113.6 g/mol	Pass
Retention time	RP-HPLC C18	Reference standard ±5%	10.07 min
Appearance	Visual	White powder, no visible impurities	Pass
Solubility	Bacteriostatic water	Fully soluble	Pass
Residual solvents	GC-MS	Within ICH Q3C limits	Pass

Release statement

This lot (NXP-6263-C8C7) has been released by Nexus Peptides' partner laboratory after passing the six-stage QC protocol above. It conforms to the identity and purity specifications listed for this reference material.

Signed on behalf of the quality release team — Dr. M. Halvorsen, Head of Analytical QC.

Nexus Peptides supplies compounds strictly for in-vitro laboratory research. The material referenced by this certificate is not intended for human or veterinary consumption and is not intended to diagnose, treat, cure, or prevent any disease. Always verify identity and purity in-house before use in a research protocol.