

Semaglutide 5 mg / vial

ISSUED 2026-05-28

CERTIFICATE OF ANALYSIS

GLP-1 RECEPTOR AGONIST

DOC NDP-COA-SE614-01

PURITY · RP-HPLC

99.01%

RP-HPLC · UV 214 nm · tR 6.23 min · AREA NORMALISATION

IDENTITY

LC-MS [M+3H]³⁺ 1372.5

APPEARANCE

WHITE LYOPHILISED POWDER

TFA CONTENT

< 0.50 %

MOLECULAR WEIGHT

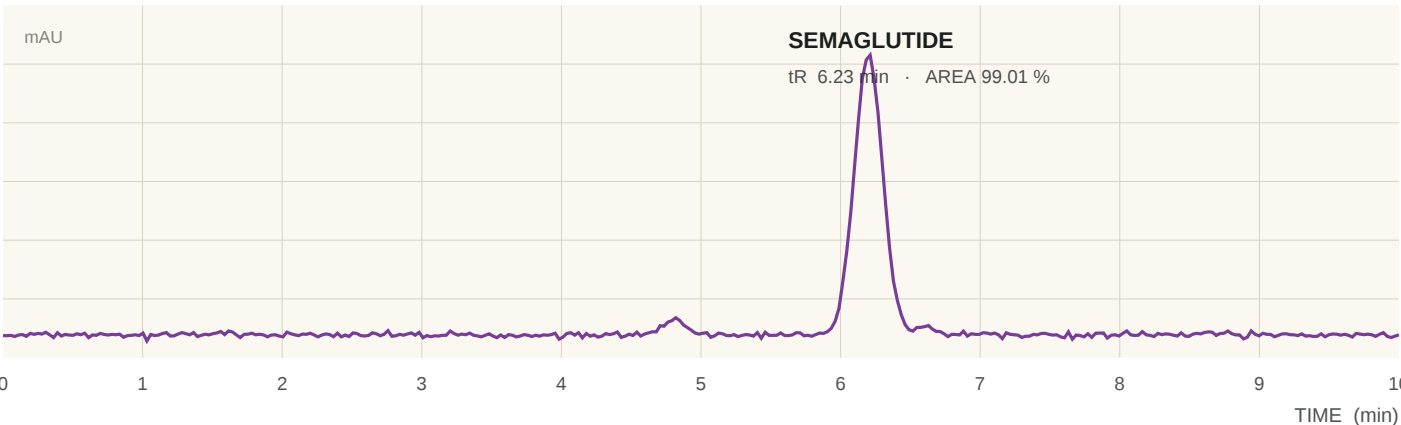
4113.6 g/mol

MOLECULAR FORMULA

C187 H291 N45 O59

RP-HPLC TRACE

C18 · 0.1% TFA / Acetonitrile gradient · 35°C · 1 mL/min · UV 214 nm



ANALYTICAL METHODS & STORAGE

Purity	RP-HPLC · UV 214 nm
Identity	LC-MS · ESI+ · observed mass
TFA content	Ion chromatography
Appearance	Visual · white light
Molecular weight	Calculated from sequence
Storage — lyophilised powder	-20°C / 3 years +4°C / 2 years +15°C / 3 months
Storage — in solvent	-80°C / 6 months +2°C to +8°C / 1 month +10°C / 1 week