

Certificate of Analysis



Catalog Number: 598480
Product Name: Semaglutide
Cas No: 910463-68-2
Manufacturing Date: 08/11/2024
Manufacturer: MediKlic (GuFan) US

Sequence: H-Aib-EGTFTSDVSSYLEGQAAK(AEEA-AEEA-y-glu-180tc)EFIAWLVRGRG

Lot Number: P241108-LC598480
Molecular Formula: C187H291N45O59
Molecular Weight: 4113.64

Storage Conditions: Store in a **cool, dry place**, away from direct sunlight and moisture
Stability: Verified under long-term storage conditions
Shelf Life: 24 months from manufacturing date

Analysis Summary

Tests	Specifications	Results
Appearance	White to off white powder	Consistent
Purity(HPLC)	>98%	99.35%
Peptide content	>80%	96.75%
Water	<6%	2.90%
Acetic Acid	<0.5%	0.11%
Trichloroacetic Acid	<0.5%	0.14%
Endotoxin	<50EU/mg	Consistent
MS	Consistent	Consistent
Heavy Metals	<10ppm	<5ppm
Residual Solvents	Within USP Limits	Within USP Limits
Endotoxins	Not Detected	Not Detected

Testing & Verification Methods

Testing Method	Purpose
HPLC (High-Performance Liquid Chromatography)	Confirms purity and detects impurities
Mass Spectrometry (MS)	Ensures correct molecular weight
NMR Spectroscopy	Validates molecular structure
Microbial Testing	Screens for bacterial and fungal contamination

Compliance & Quality Assurance

Standard	Compliance
GMP Manufacturing	Yes
ISO 17025 Lab Tested	Yes
Bacterial Endotoxin-Free	Yes
USP Compliant	Yes
European Pharmacopoeia (EP)	Yes

This product has been tested and verified for **purity, identity, and consistency** in compliance with **ISO 17025-certified laboratories** and **GMP manufacturing standards**. All analytical data is recorded and available upon request.

Authorized By: Quality Control Department, MediKlic, **Laboratory Analyst / Senior Chemist**

A handwritten signature in black ink, appearing to be 'J. Smith', written over a faint horizontal line.