

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-05-26 16:25:03
Date of Next Testing:	2030-05-25 16:25:03
Product Name:	Semaglutide
Lot #:	ZJ25F0521858
SKU #:	S774153
Version:	1
Analysis #:	015026
Source:	Recombinant
Specifications & Purity:	
Concentration:	
Formulation:	Lyophilized
Reconstitution:	
Storage Conditions:	Store at -20°C, Protected from light, Desiccated, Avoid repeated freeze-thaw cycles
Analysis:	015026

Parameter	Limit Value	Result
Hydrophilic impurities	0-3.4(%)	0.36000 %
Hydrophobic impurities 1	0-3.1(%)	0.46000 %
Hydrophobic impurities 2	0-0.3(%)	0.04000 %
Total of Related impurities	0-5.5(%)	0.86000 %
High molecular mass proteins	0-0.4(%)	0.07000 %
Loss on drying	0-10(%)	1.70000 %
Specific activity	0.7-1.3(U/mg)	1.02000 U/mg
Sodium	0-4(%)	1.90000
Assay	0.76-1(mg/mg)	0.93400 mg/mg
Appearance(S774153)	White or almost white lyophilized powder	White or almost white lyophilized powder
Identification (Retention time)	Conform	Conform
Identification (Peptide mapping)	Conform	Conform
N-terminal amino acid sequence	Conform	Conform
Single-chain precursor ≤10 ppm	Conform	Conform
Host Cell Protein (HCP) ≤10 ppm	Conform	Conform
Residual host-cell DNA ≤10 ng/mg	Conform	Conform
Microbial Limit ≤102 CFU/g	Conform	Conform
Endotoxin Level <10 EU/mg	Conform	Conform
Acetonitrile residue ≤0.041%	Conform	Conform
Isopropanol residue ≤0.5%	Conform	Conform

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Parameter	Limit Value	Result
Ethanol residue $\leq 0.3\%$	Conform	Conform
Dichloromethane residue $\leq 0.06\%$	Conform	Conform

A handwritten signature in black ink that reads "Sophia Cheng".

Sophia Cheng
Quality Assurance