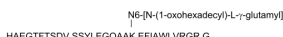


Certificate of Analysis

Product Name:	Liraglutide
Cat. No.:	CS-4545
CAS No.:	204656-20-2
Batch No.:	679318
Chemical Name:	Glycine, L-histidyl-L-alanyl-L- α -glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L- α -aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L- α -glutamylglycyl-L-glutamyl-L-alanyl-L-alanyl-N6-[N-(1-oxohexadecyl)-L- γ -glutamyl]-L-lysyl-L- α -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-leucyl-L-valyl-L-arginylglycyl-L-arginyl-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₁₇₂ H ₂₆₅ N ₄₃ O ₅₁
Molecular Weight:	3751.20
Storage:	-80°C, 2 years; -20°C, 1 year (Sealed storage, away from moisture and light)
Chemical Structure:	



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
MS:	Consistent with structure
Purity (HPLC):	99.01%
Peptide Content (%):	94.3%
Water Content (KF):	3.8%
Acetic acid:	0.4%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite F, Monmouth Junction, NJ 08852, USA