Certificate of Analysis

Product Name:	Lixisenatide
Cat. No.:	CS-5788
CAS No.:	320367-13-3
Batch No.:	280743
Chemical Name:	L-Histidylglycyl-L-α-glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L-α-aspartyl-L-leucyl-L-seryl-L-lysyl-L-glutaminyl-L-methionyl-L-α-glutamyl-L-α-glutamyl-L-α-glutamyl-L-alanyl-L-valyl-L-arginyl-L-leucyl-L-phenylalanyl-L-isoleucyl-L-α-glutamyl-L-tryptophyl-L-leucyl-L-lysyl-L-asparaginylglycylglycyl-L-prolyl-L-seryl-L-serylglycyl-L-alanyl-L-prolyl-L-prolyl-L-seryl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-L-lysinamide

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{215}H_{347}N_{61}O_{65}S$
Molecular Weight:	4858.49
Storage:	-80°C, 2 years; -20°C, 1 year (Sealed storage, away from moisture)
Chemical Structure:	

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPSKKKKKK-NH_2

ANALYTICAL DATA

Appearance:	White to pink (Solid)
LCMS:	Consistent with structure
Purity (LCMS):	99.85%
Water(KF):	4.2%
Peptide Content (%):	88.70%
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.

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