Certificate of Analysis

Reference Material & Standard

Product Name:	Insulin Degludec-d14	**Catalogue Number:**	C4X-215722
Synonyms:	N/A	**Lot Number:**	1104-SA-7149
CAS Number:	N/A	**Expiry Date:**	Nov 03, 27
Molecular Formula:	$C_{274}H_{397}D_{14}N_{65}O_{81}S_6$	**Storage:**	-80°C±5°C Protected from light and Sealed
Molecular Weight:	6118.12		

Chemical Structure: N/A

Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	98.647%

CATO Research Chemicals Inc.

Signature:

Prepared by: Lisa Date: Nov 04, 23

Reviewed by: Yuki Date: Nov 04, 23

Approved by General Manager: David Date: Nov 04, 23

CATO Research Chemicals Inc.

Directions:

1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.

2. Minimum sample size: 1mg is recommended as the minimum sample size.

3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.

4. Instructions for handling and correct use: Handling in a well-ventilated place.

Document Version:

Revision No.	Date	Reason for Revision
01	Nov 04, 23	First release.

CATO Research Chemicals Inc.