



# CERTIFICATE OF ANALYSIS

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## Dulaglutide

GLP-1 receptor agonist · GLP-1/Fc-IgG4 fusion · CAS 923950-08-7

BATCH NUMBER

**APX-2026-0414-D**

TEST DATE

**Apr 14, 2026**

VIAL SIZE

**10mg**

ANALYSIS TYPE

**Biologic analysis**

ANALYST

**K. Norwood**

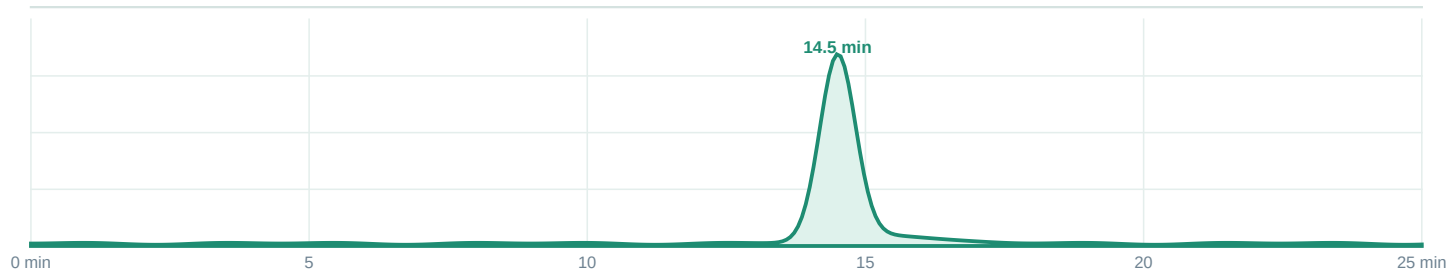
METHOD

**SDS-PAGE + LC-MS deconvolution**

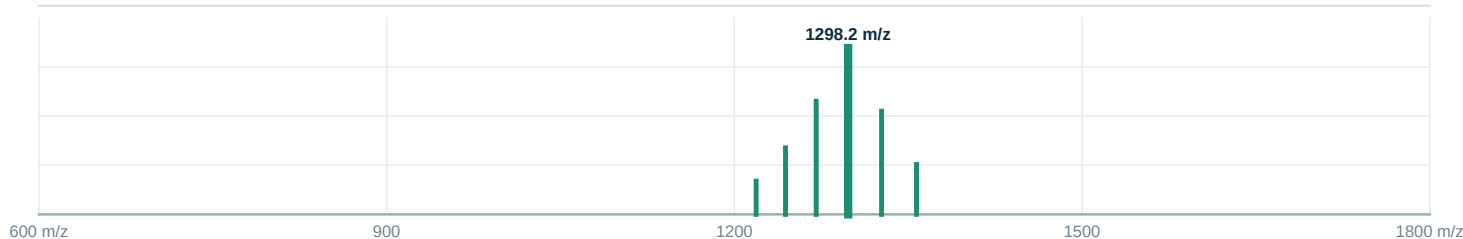
### ANALYTICAL RESULTS

|                    |                                                                       |
|--------------------|-----------------------------------------------------------------------|
| Purity             | 99.71 %                                                               |
| Retention time     | 14.5 min                                                              |
| Expected mass      | 59670 Da                                                              |
| Deconvoluted mass  | 59670 Da                                                              |
| Charge-state range | [M+30H] <sup>30+</sup> through [M+50H] <sup>50+</sup>                 |
| Glycosylation      | N-glycosylated at Fc · ~3 kDa glycan contribution · apparent SDS-PAGE |
| Endotoxin          | < 0.5 EU/mg · LAL                                                     |

### HPLC PROFILE



### MASS SPECTROMETRY IDENTITY



Peak positions are plotted to scale from the recorded retention and mass values above; curve and stick shapes are schematic renderings of the recorded results, not raw instrument traces.

### DOCUMENT PROVENANCE

Issued by Apex Laboratory as the published batch record for Dulaglutide, batch APX-2026-0414-D. Analytical testing performed by K. Norwood. This document was generated from the live Lab Verified dataset on Aug 14, 2026. The current record for this material is always available at [apexlab.org/lab-verified](https://apexlab.org/lab-verified), and this batch number can be checked at [apexlab.org/verify](https://apexlab.org/verify).

This material is a chemical reagent intended strictly for in-vitro laboratory research and development use by qualified professionals. It is not for human or veterinary use of any kind. This certificate summarizes the analytical results recorded for the batch identified above, as published in the Apex Laboratory Lab Verified archive ([apexlab.org/lab-verified](https://apexlab.org/lab-verified)).

Verify this batch: [apexlab.org/verify](https://apexlab.org/verify) · enter **APX-2026-0414-D**