

Certificate of Analysis

Reference Material & Standard

Product Name:	Semaglutide Impurity 164	Catalogue Number:	C4X-2226164
Synonyms:	N/A	Lot Number:	1124-RG-0035
CAS Number:	N/A	Expiry Date:	Nov 30, 2029
Molecular Formula:	C ₁₈₇ H ₂₈₉ N ₄₅ O ₅₉	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	4111.56	Shipping Condition:	Shipping at Room Temperature

Chemical Structure: Cyclic-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-GlnAla-Ala-Lys-(AEEAc-AEEAc-γ-Glu-17-carboxy heptadecanoyl)-Glu-Phe-Ile-AlaTrp-Leu-Val-Arg-Gly-Arg-Gly-OH

Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	2.9291%
Assay		97.1%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Dec 01, 2025

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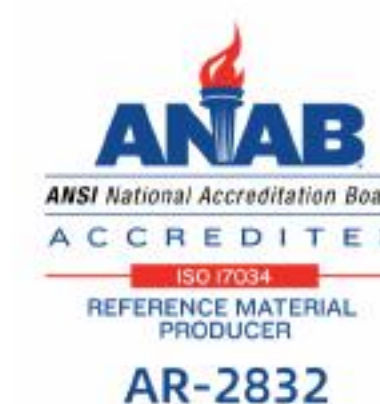
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