

Certificate of Analysis

HPLC-verified · documented per batch

PRODUCT NAME	Tirzepatide
MOLECULAR FORMULA	$C_{225}H_{348}N_{48}O_{68}$
MOLECULAR WEIGHT	4813.5
BATCH NO.	CP-034-20260310
MANUFACTURE DATE	06 Mar 2026
TEST DATE	18 Mar 2026
RETEST DATE	05 Mar 2028
QUANTITY	20504.2 g
STORAGE	Protected from light, sealed, store at $-20^{\circ}\text{C} \pm 5^{\circ}\text{C}$.

ITEM	SPECIFICATION	RESULT
Appearance / colour	White or off-white powder	Conforms
Solubility	Freely soluble in water	Conforms
Peptide content	$\geq 85.0\%$	95.9%
Water content (K.F)	$\leq 7.0\%$	1.8%
Peptide purity (by HPLC)	$\geq 99.0\%$	99.3%
Related substance (by HPLC)	Total impurities $\leq 1.0\%$	0.64%
	Maximum single impurity $\leq 0.5\%$	0.17%
	Acetonitrile $\leq 0.041\%$	Conforms
Residual solvent	Dichloromethane $\leq 0.06\%$	Conforms
	N,N-Dimethylformamide $\leq 0.088\%$	Conforms
Bacterial endotoxins	$< 5 \text{ EU/mg}$	Conforms
Microbial limits	TAMC $\leq 100 \text{ cfu/g}$	Conforms
	TYMC $\leq 100 \text{ cfu/g}$	Conforms

CONCLUSION	The product tested conforms with the in-house standard.
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Q.C.

Q.C. Manager

This certificate relates only to the batch identified above.

Document: COA-LP-TIRZ-CP034-20260310