

Tesamorelin

Stabilised analogue of growth hormone releasing hormone

BATCH

IP-TS-261002 This is the code printed on your vial.

APPLICABLE STRENGTHS

5 mg

10 mg

99.45%

RP-HPLC

Specification ≥ 99.0%

IDENTITY

Confirmed

Mass spectrometry

STERILITY

No growth

Membrane filtration

ENDOTOXIN

< 0.125 EU/mg

Kinetic chromogenic LAL

ANALYSED

5 October 2026

Batch made 2 October 2026

Full analytical results

TESTS AND SPECIFICATIONS

Appearance

Visual inspection

SPECIFICATION White to off-white lyophilised powder

RESULT Conforms

STATUS PASS

Purity

RP-HPLC (C18, 214 nm, water/acetonitrile with 0.1% TFA)

SPECIFICATION ≥ 99.0%

RESULT 99.45%

STATUS PASS

Identity

ESI-MS

SPECIFICATION [M+5H]5+ = 1028.18 ± 0.50

RESULT 1028.29

STATUS PASS

Related substances

RP-HPLC, any single impurity

SPECIFICATION ≤ 1.0%

RESULT 0.25%

STATUS PASS

Total peptide content

UV absorbance at 280 nm against reference standard

SPECIFICATION ≥ 80.0%

RESULT 87.0%

STATUS PASS

Water content

Karl Fischer titration

SPECIFICATION ≤ 8.0%

RESULT 3.79%

STATUS PASS

Acetate content

Ion chromatography

SPECIFICATION ≤ 15.0%

RESULT 6.7%

STATUS PASS

pH, 1% aqueous solution

Potentiometry at 25 °C

SPECIFICATION 4.0 to 7.5

RESULT 5.9

STATUS PASS

Bacterial endotoxins

Kinetic chromogenic LAL

SPECIFICATION < 1.0 EU/mg

RESULT < 0.125 EU/mg

STATUS PASS

Sterility

Membrane filtration (USP <71>)

SPECIFICATION No growth

RESULT No growth

STATUS PASS

Residual solvents

Headspace GC-FID (USP <467>)

SPECIFICATION Acetonitrile ≤ 410 ppm, methanol ≤ 3000 ppm, dichloromethane ≤ 600 ppm (ICH Q3C)

RESULT Conforms

STATUS PASS

Elemental impurities

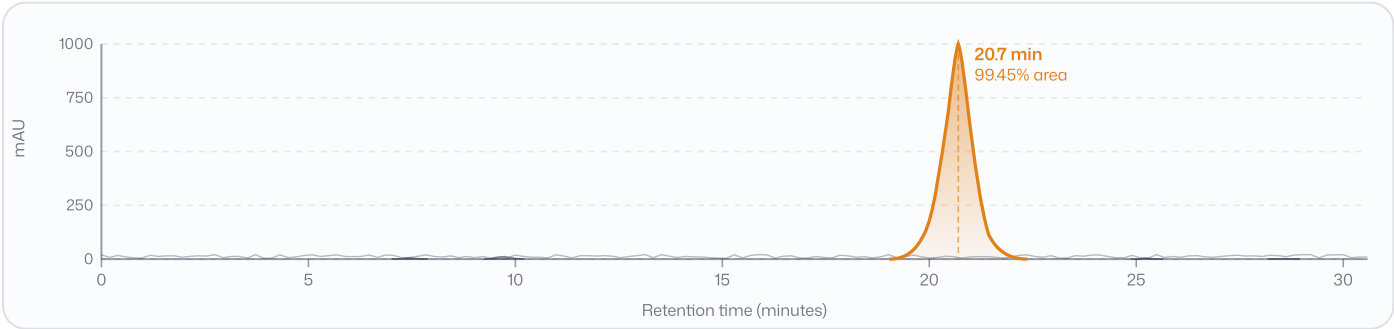
ICP-MS (USP <232> and <233>)

SPECIFICATION Pb ≤ 5, Cd ≤ 2, As ≤ 15, Hg ≤ 3 µg/day (ICH Q3D, parenteral)

RESULT Conforms

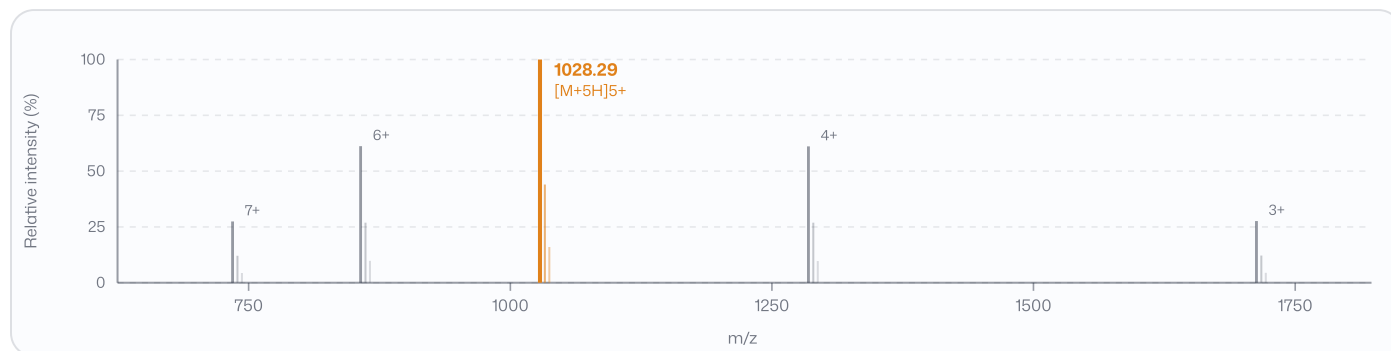
STATUS PASS

CHROMATOGRAM



Reversed-phase trace for this batch. One dominant peak at 20.7 minutes, 99.45% of the total peak area, largest single impurity 0.25%.

MASS SPECTRUM



Electrospray ionisation. Expected 1028.18, observed 1028.29, a difference of 0.11 m/z at charge state 5. The neighbouring peaks are the same molecule at the charge states either side of it.

REFERENCE DATA

CAS NUMBER

218949-48-5

MOLECULAR FORMULA

$C_{221}H_{366}N_{72}O_{67}S$

MOLECULAR WEIGHT

5135.86 g/mol

SEQUENCE

YDAIFTNSYRKVLGQLSARKLLQDIMSRQQGESNQERGARARL

MODIFICATIONS

A trans-3-hexenoyl group on the N-terminal tyrosine, and an amidated C-terminus. The backbone is unaltered GHRH 1-44, so Asn8, Gly15 and Met27 are all retained; that methionine is the single sulfur in the formula, and it is what separates this molecule from the CJC-1295 forms, which have none.

Public reference values for the compound, not measurements on this batch. The batch measurements are in the table above.

STORAGE AND HANDLING

UNOPENED

2 to 8 °C, away from light

LONG TERM

-20 °C, lyophilised, for the stated shelf life

RECONSTITUTED

2 to 8 °C, use within 4 weeks; avoid repeated freeze and thaw

IN TRANSIT

Stable at ambient temperature for up to 30 days

RECONSTITUTE WITH

Bacteriostatic water

THE VIAL THIS COVERS



The label on your vial carries the same batch code as this certificate, **IP-TS-261002**, and the QR goes to the results for it. If the code on the vial is not this one, the certificate for it is on this page under earlier batches.

Sticker shown at its printed size, 40 by 20 mm.
Cap colour may vary by batch.

RELEASE

BATCH DATE

2 October 2026

ANALYSIS DATE

5 October 2026

ISSUE DATE

6 October 2026

BEST BEFORE

October 2028

RELEASED BY

Quality review, Indigo Peptides

DOCUMENT

Valid only in its original, unmodified form

Results are taken from the batch testing documentation for this exact batch, supplied with the finished vials and held on file by us. Every value above is for the batch named on this certificate and for no other.

HOLDING AN OLDER VIAL?

IP-TS-260914

PURITY

99.35%

ANALYSED

17 September 2026

If the code on your vial is one of these, it is an earlier batch of ours and these are its results. A result we have published is never removed and never recalculated.