

L-Carnitine

Sterile aqueous solution of levocarnitine

BATCH

IP-LC-261001 This is the code printed on your vial.

APPLICABLE STRENGTHS

20 mL

97.7%

HPLC WITH UV DETECTION

Specification 95.0 to 105.0% of label claim

IDENTITY

Confirmed

HPLC retention time against reference standard

ENDOTOXIN

< 0.05 EU/mL

Kinetic chromogenic LAL

STERILITY

No growth

Membrane filtration

ANALYSED

4 October 2026

Batch made 1 October 2026

Full analytical results

TESTS AND SPECIFICATIONS

Appearance

Visual inspection

SPECIFICATION Clear, colourless solution, free from visible particles

RESULT Conforms

STATUS PASS

Identity

HPLC retention time against reference standard

SPECIFICATION Conforms to reference

RESULT Conforms

STATUS PASS

Assay

HPLC with UV detection

SPECIFICATION 95.0 to 105.0% of label claim

RESULT 97.7%

STATUS PASS

pH

Potentiometry at 25 °C

SPECIFICATION 4.0 to 7.0

RESULT 5.4

STATUS PASS

Particulate matter

Light obscuration (USP <788>)

SPECIFICATION ≤ 6000 particles ≥ 10 µm per container (USP <788>)

RESULT Conforms

STATUS PASS

Bacterial endotoxins

Kinetic chromogenic LAL

SPECIFICATION < 0.25 EU/mL

RESULT < 0.05 EU/mL

STATUS PASS

Sterility

Membrane filtration (USP <71>)

SPECIFICATION No growth

RESULT No growth

STATUS PASS

Container closure integrity

Dye ingress

SPECIFICATION No ingress

RESULT **Conforms**

STATUS **PASS**

REFERENCE DATA

CAS NUMBER

541-15-1

MOLECULAR FORMULA

$C_7H_{15}NO_3$

MOLECULAR WEIGHT

161.20 g/mol

MODIFICATIONS

The single L enantiomer, (3R)-3-hydroxy-4-(trimethylammonio)butanoate, a zwitterion.

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

STORAGE AND HANDLING

UNOPENED

Room temperature, away from light

AFTER FIRST WITHDRAWAL

2 to 8 °C, use within 4 weeks

IN TRANSIT

Stable at ambient temperature

DO NOT

Freeze

THE VIAL THIS COVERS



The label on your vial carries the same batch code as this certificate, **IP-LC-261001**, 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

1 October 2026

ANALYSIS DATE

4 October 2026

ISSUE DATE

7 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-LC-260911

ANALYSED 14 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.