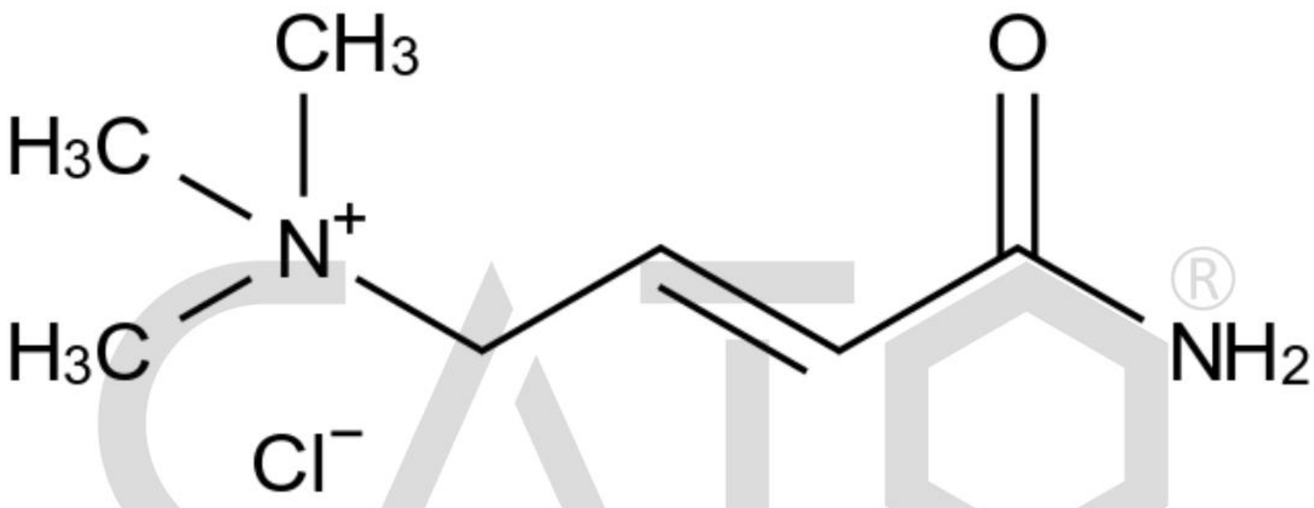
Certificate of Analysis

Reference Material & Standard

Product Name:	Levocarnitine Impurity 22	**Catalogue Number:**	C4X-129222
Synonyms:	N/A	**Lot Number:**	0226-RG-0060
CAS Number:	N/A	**Expiry Date:**	Feb 25, 2028
Molecular Formula:	$C_7H_{15}N_2O\ Cl$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	143.21 35.45	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.790%
Residue on Ignition	TGA	2.0222%
Loss on Drying	TGA	3.0014%
Assay	Mass Balance	94.8%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koji — Date: Nov 18, 2026

Reviewed by: Lisa — Date: Nov 18, 2026

Approved by General Manager: David — Date: Nov 18, 2026

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