

Certificate of Analysis

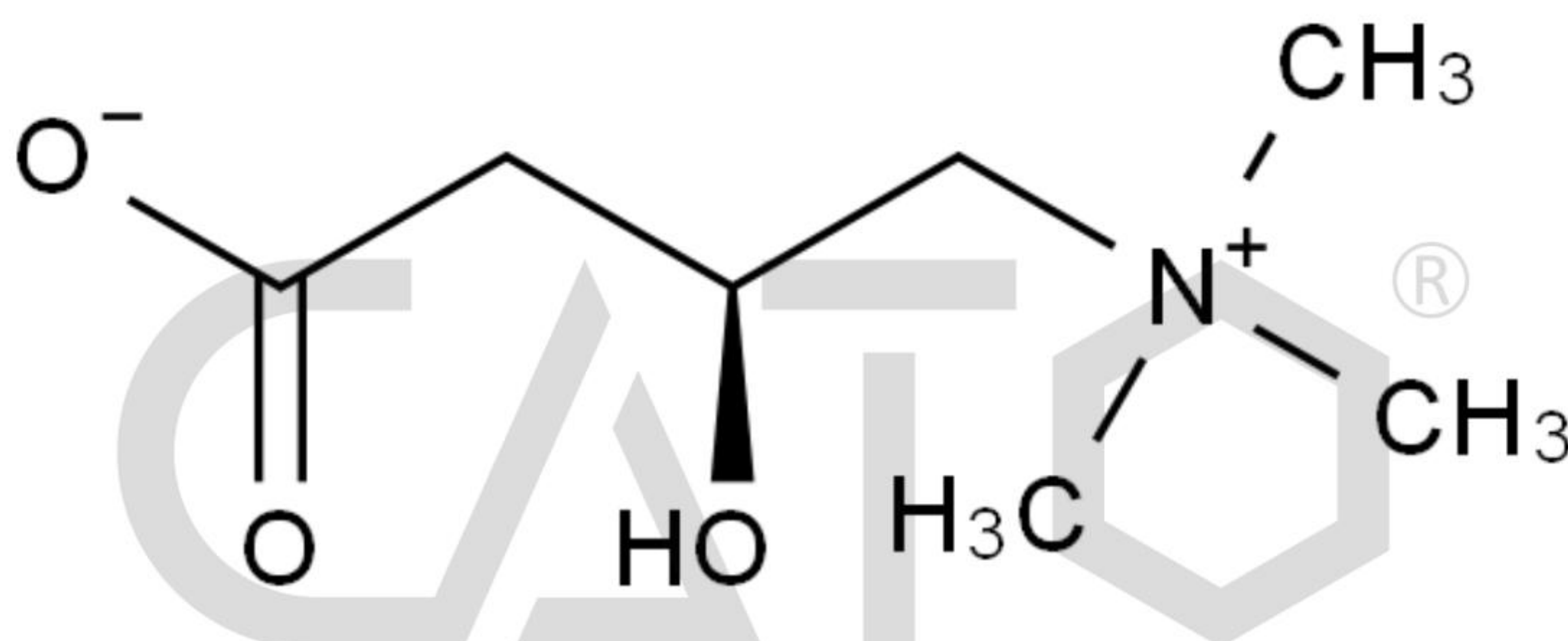
Reference Material & Standard

Product Name:	D-Carnitine	Catalogue Number:	C4X-12925
Synonyms:	N/A	Lot Number:	0612-RH-0080
CAS Number:	541-14-0	Expiry Date:	Jun 17, 2030
Molecular Formula:	C ₇ H ₁₅ NO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	161.20	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.000%
Loss on Drying	TGA	2.7944%
Assay		97.2%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity ELSD (%) / 100%

Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

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Approved by General Manager:

David

Date: Jun 18, 2026

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