

Chem-Impex International, Inc.

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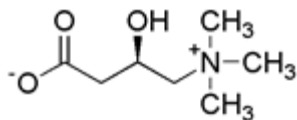
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 00053

Product **L-Carnitine**

β -Hydroxy- γ -trimethylaminobutyric acid

CAS Number 541-15-1

Molecular Formula C₇H₁₅NO₃

Molecular Weight 161.2

Appearance White crystals or crystalline powder

Heavy Metals ≤ 20 ppm

Anion Chloride (Cl⁻): $\leq 0.4\%$

Cation Sodium (Na): $\leq 0.1\%$
Potassium (K): $\leq 0.2\%$

Water Content (Karl Fisher) $\leq 4\%$

pH 5.5 - 9.5

Optical Rotation $[\alpha]^{20}_D = -29$ to -32°

Infrared Spectrum Conforms to structure

Residual Solvents $\leq 0.5\%$ (Acetone, Ethanol)

Residue On Ignition $\leq 0.5\%$

Assay 97 - 103%

Grade USP

Storage Store at RT

Additional Information Cyanide : Not detectable

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For Laboratory Use Only