

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

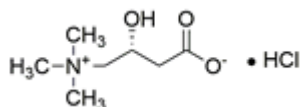
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number	37746
Product	L-Carnitine hydrochloride (R)-3-Hydroxy-4-(trimethylammonio)butyrate hydrochloride
CAS Number	6645-46-1
Molecular Formula	C ₇ H ₁₅ NO ₃ •HCl
Molecular Weight	197.66

Appearance	White crystals or crystalline powder
Heavy Metals	≤ 10 ppm
Cation	Arsenic (As) : ≤ 1 ppm Lead (Pb) : ≤ 3 ppm Mercury (Hg) : ≤ 0.1 ppm Cadmium (Cd) : ≤ 1 ppm
pH	2.5 - 2.9
Optical Rotation	[α] _D ²⁰ = -21.5 to -23.5 °
Infrared Spectrum	Conforms to structure
Loss on Drying	≤ 0.5%
Residue On Ignition	≤ 0.5%
Titration	Chloride : 17.0 - 18.5%
¹H NMR	Conforms to structure
Assay by titration	98 - 102%
Storage	Store at 2 - 8 °C

For Laboratory Use Only