

Chem-Impex International, Inc.

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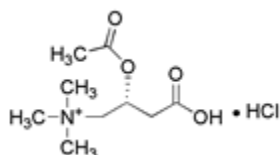
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	01862
Product	O-Acetyl-L-carnitine hydrochloride (<i>R</i>)-3-Acetoxy-4-(trimethylammonio)butyrate hydrochloride
CAS Number	5080-50-2
Molecular Formula	C ₉ H ₁₈ O ₄ NCl
Molecular Weight	239.69
Appearance	White crystalline powder
Appearance of Solution	Free flowing
Melting Point	192-196 °C (dec.)
Bulk density	0.3 - 0.7 g/ml
Density	0.5 - 0.9 g/ml (Tapped density)
Elemental Analysis (Found)	C = 45.00 ± 0.5%; H = 7.00 ± 0.5%; N = 5.00 ± 0.5%; Cl = 15.00 ± 0.5%
Heavy Metals	≤ 10 ppm
Cation	Lead(Pb) : ≤ 3 ppm Cadmium(Cd) : ≤ 1 ppm Mercury(Hg) : ≤ 0.1 ppm Arsenic(As) : ≤ 1 ppm
pH	2 - 3
Yeast and Mold	≤ 100 cfu/g
Optical Rotation	[α] _D ²⁰ = -27 to -29°
Infrared Spectrum	Conforms to structure
Loss on Drying	≤ 0.5%
E. Coli	Negative/1g
Microbial Count	≤ 1000 cfu/g (Total plate count)
Salmonella	Negative/1g
Assay by titration	≥ 98%
Storage	Store at 0-8°C

Product Specifications

Catalog Number: 01862

For Laboratory Use Only