

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs

5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146

www.gojirafc.com • sales@gojirafc.com

Certificate of Analysis

L-Carnitine HCI

 Catalog Number:
 CH1006

 Lot Number:
 0905705

 CAS Number:
 6645-46-1

Synonym(s): Vitamin B_T , (-)- β -Hydroxy- γ -(trimethylammonio)butyrate

Molecular Formula: C₇H₁₅NO₃ • HCl

Molecular Weight: 197.66

Storage: $15^{\circ}\text{C} - 30^{\circ}\text{C}$ Date of Manufacture: May 14, 2016 Retest Date: May 13, 2018

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Assay (Titration of Anhydrous)	98.0 – 102.0%	99.8%
Specific Rotation	-21.3° to -24.0°	-23.6°
рН	2.3 – 2.6	2.5
Moisture	≤ 1.0%	0.26%
Residue on Ignition	≤ 0.2%	0.07%
Heavy Metals	≤ 10ppm	< 10ppm
Arsenic	≤ 3ppm	< 1ppm
Cadmium	≤ 1ppm	Not detected
Lead	≤ 2ppm	Not detected
Mercury	≤ 0.1ppm	Not detected
Cyanide	≤ 1ppm	Not detected
Total Bacterial Count	≤ 1,000cfu/g	< 10cfu/g
Yeast & Mold	≤ 100cfu/g	5cfu/g
Coliforms	≤ 10MPN/g	< 10MPN/g
E. coli	Negative	Negative
Salmonella	Negative	Negative

Approved by:

John Grubb, PhD

Gojira Fine Chemicals, LLC

Quality Manager

Tel: 440-539-7033 Fax: 888-211-5523

john@gojirafc.com

Date: September 5, 2017