



## Specification

### L-Carnitine HCl

<b>Catalog Number:</b>	CH1006
<b>CAS Number:</b>	6645-46-1
<b>Synonym(s):</b>	Vitamin B <sub>12</sub> , (-)-β-Hydroxy-γ-(trimethylammonio)butyrate
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>15</sub> NO <sub>3</sub> • HCl
<b>Molecular Weight:</b>	197.66
<b>Storage:</b>	15°C – 30°C
<b>Retest Period:</b>	Two years from the date of manufacture

Test	Specification
Appearance	White crystalline powder
Assay (Titration of Anhydrous)	98.0 – 102.0%
Specific Rotation	-21.3° to -24.0°
pH	2.3 – 2.6
Moisture	≤ 1.0%
Residue on Ignition	≤ 0.2%
Heavy Metals	≤ 10ppm
Arsenic	≤ 3ppm
Cadmium	≤ 1ppm
Lead	≤ 2ppm
Mercury	≤ 0.1ppm
Cyanide	≤ 1ppm
Total Bacterial Count	≤ 1,000cfu/g
Yeast & Mold	≤ 100cfu/g
Coliforms	≤ 10MPN/g
<i>E. coli</i>	Negative
<i>Salmonella</i>	Negative

Approved:

John Grubb, PhD  
Gojira Fine Chemicals  
Quality Manager  
Tel: 440-252-5397, Fax: 888-211-5523  
[docsupport@gojiraafc.com](mailto:docsupport@gojiraafc.com)

Date: September 11, 2018