

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00053
Product	L-Carnitine
Lot Number	001192-120229 β -Hydroxy- γ -trimethylaminobutyric acid
CAS Number	541-15-1
Molecular Formula	C ₇ H ₁₅ NO ₃
Molecular Weight	161.2

Appearance	White crystalline powder
Heavy Metals	< 10ppm
Anion	Chloride (Cl ⁻): < 0.4%
Cation	Sodium (Na): < 0.1% Potassium (K): < 0.2%
Water Content (Karl Fisher)	0.34%
pH	7.44
Optical Rotation	[α] _D ²⁰ = - 31.1°
Infrared Spectrum	Conforms to structure
Residual Solvents	0.05% (acetone and ethanol)
Residue On Ignition	0.05%
Assay	99.7%
Grade	USP
Storage	Store at RT
Additional Information	Cyanide: not detectable

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Lot Number: 001192-120229

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager