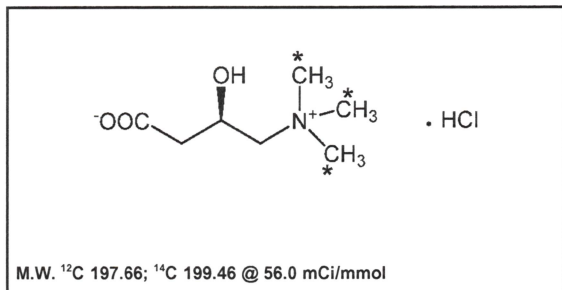


Certificate of Analysis

MC-1147

L-Carnitine hydrochloride, [(N)methyl-¹⁴C]-



Lot #: 159-059-056-A-20050424-SB

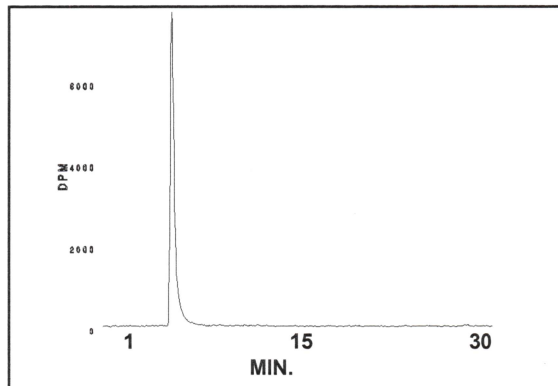
Specific Activity: 56.0 mCi/mmol

Concentration: 0.1 mCi/ml; 356.17 µg/ml

Packaged in: Ethanol : water (1 : 1) solution

Date of Analysis: February 28, 2019

Radiochemical Purity: 98.4%



HPLC ANALYSIS LOT 159-059-056-A-20050424-SB
File Name: int47880 Date and Time: 2/28/2019 2:58:41 PM
Unit 4 Radio

Peak #	Area %	Time	Area
1	98.41	5.33330	18256.79380
2	0.04	6.04670	7.02638
3	0.11	6.15000	20.29591
4	0.08	6.28670	13.99076
5	0.06	6.50000	11.52885
6	0.05	6.68330	8.54212
7	0.25	6.93330	45.54600
8	0.24	7.66670	45.02136
9	0.52	9.03670	96.63773
10	0.25	28.11000	46.50915
Totals	100.00		18551.89206

Stability and Storage Recommendation: Store at -20°C.

Caution: This material was manufactured under research grade conditions and is intended for investigational or manufacturing use only. It is pharmaceutically unrefined and is not suitable for use in humans or clinical diagnosis. Responsibility for its use and compliance with federal law rests solely with the purchaser. If the compound and/or any associated information/documentation derived from its use could be used for any potential future filings, research grade is not recommended.