

## C18:1( $\Delta^9$ -cis) Carnitine

oleoyl L-carnitine

870852P-5mg

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|                         |                                                 |
|-------------------------|-------------------------------------------------|
| <b>Molecular Weight</b> | 425.645                                         |
| <b>Chemical Formula</b> | C <sub>25</sub> H <sub>47</sub> NO <sub>4</sub> |
| <b>Physical State</b>   | Powder                                          |
| <b>Storage</b>          | -20°C                                           |
| <b>Expiration Date</b>  | One year from date of receipt                   |
| <b>M Lot Number</b>     | 6261PHC012                                      |
| <b>Lot Number</b>       | 870852P-5MG-C-012                               |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                        |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter                                                                             | Pass                           |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: positive<br>Water dip: one major spot | All Pass                       |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure      |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 426.645 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 426.4 amu |

Approved by:



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