



## Trafa Pharmaceutical Inc.

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### SPECIFICATION SHEET

#### PRODUCT NAME: L-Carnitine Base

| Items                 | Standard                |
|-----------------------|-------------------------|
| Appearance            | White Powder            |
| Assay                 | 97.0-101.0%             |
| Chloride              | 0.40% max               |
| Particle size         | 80-100 mesh             |
| P H Value             | 6.5-8.5                 |
| Potassium             | 0.2 % max               |
| Related Substances    | 2.0% max (Sum of peaks) |
| Residue on ignition   | 0.2% max                |
| Specific Rotation     | -29.0 -32.0             |
| Heavy Metals          | 15ppm max               |
| Arsenic               | 2ppm max                |
| Sodium                | 0.1% max                |
| Sulfate               | 0.03% max               |
| Water                 | 4.0% max                |
| Residue Solvents      |                         |
| Acetone               | 0.1 % max               |
| Ethanol               | 0.5% max                |
| Methanol              | 0.3% max                |
| <b>Microbiology:</b>  |                         |
| Total Plate count     | <100 cfu /g             |
| Yeast/Mold            | Negative                |
| Salmonella            | Negative                |
| E. Coli               | Negative                |
| Coliform              | Negative                |
| Staphylococcus Aureus | Negative                |

**Product Description:** Identification: IR Absorption: the spectrum obtained with the substance to be examined correspond with the spectrum obtained with the RS:Conforms

**Conclusion:** Conforms to USP 30 standard

**Storage:** Store at cool and dry place, in a well-close container, keep away from strong light and heat

**Note: The above information based on the certificate of analysis received from our manufacturer and not intended as a substitute for strict quality control analysis by the purchaser of this product.**

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Reviewed by: \_\_\_\_\_

  
Abdullah Malik (QA)