

# Certificate of Analysis

Report Issued To: Nootropics Depot | 8380 S. Kyrene Rd., Suite 110, Tempe, AZ 85284

| Product Information |                                                                 |                      |                |
|---------------------|-----------------------------------------------------------------|----------------------|----------------|
| Product Name:       | Acetyl L-Carnitine HCl (ALCAR) Capsules 500mg                   | CoA #:               | ND-25-115      |
| Product Size:       | 180 count                                                       | Lot Number:          | ALCCS1123024   |
| Production Date:    | 12/30/2024                                                      | Capsule Batch #:     | ALCCSLL0224VEG |
| Report Date:        | 12/30/2024                                                      | Raw Material Batch#: | ALC0090124B    |
| Best By Date:       | 12/2027                                                         | RM spec #:           | 061_v5         |
| Appearance:         | White powder in a clear capsule                                 | Capsule Size:        | Size 00        |
| Capsule Material:   | Vegetable Cellulose                                             | Capsule Color:       | Clear          |
| Other Ingredients:  | Microcrystalline Cellulose, Silicon Dioxide, Magnesium Stearate |                      |                |

## Organoleptic Testing Results:

| Test  | Specification    | Result   | Pass/Fail |
|-------|------------------|----------|-----------|
| Color | Org. Tube # 1061 | Conforms | Pass      |
| Smell | Org. Tube # 1061 | Conforms | Pass      |

## Physical Testing Results:

| Test                | Specification     | Result          | Pass/Fail |
|---------------------|-------------------|-----------------|-----------|
| Capsule Fill Weight | ≥670mg/capsule    | 693mg/capsule   | Pass      |
| Capsule Mass Test   | USP <2091> Test 1 | 817.8mg/capsule | Pass      |

## Analytical Testing Results:

| Test              | Method                                                     | Methodology      | Specification   | Result                                                                   | Pass/Fail |
|-------------------|------------------------------------------------------------|------------------|-----------------|--------------------------------------------------------------------------|-----------|
| Identity          | LAB TM-001                                                 | FTIR             | ≥ 95%           | 100%                                                                     | Pass      |
| Assay             | LAB TM-017                                                 | Polarimeter      | ≥ 500mg/capsule | 528.2mg/capsule                                                          | Pass      |
| Specific Rotation | LAB TM-017                                                 | Polarimeter      | -26° to -29°    | -28°                                                                     | Pass      |
| Loss on Drying    | LAB TM-013                                                 | Moisture Balance | Report Only     | 0.6%                                                                     | Pass      |
| Heavy Metals      | ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008 | ICP/ICPMS        | ≤ 0.5 ppm ea.   | As < 0.1000 ppm<br>Cd < 0.0400 ppm<br>Hg < 0.0100 ppm<br>Pb < 0.0400 ppm | Pass      |
| Water Activity    | LAB TM-012                                                 | Water Activity   | < 0.73          | 0.39                                                                     | Pass      |

Final Approval



Kennedi Enoch, Quality Liaison

