

# Certificate of Analysis

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

| Product Information |                                      |                       |               |
|---------------------|--------------------------------------|-----------------------|---------------|
| Product Name:       | Palmitoylethanolamide Capsules 400mg | CoA #:                | ND-24-828     |
| Product Size:       | 60 count                             | Lot Number:           | PEACS1040224  |
| Production Date:    | 04/13/2024                           | Capsule Batch #:      | PEACSL0823VEG |
| Report Date:        | 04/13/2024                           | Raw Material Batch #: | PEA0761022    |
| Best By Date:       | 04/2027                              | RM spec #:            | 085_v5        |
| Appearance:         | White powder in a clear capsule      | Capsule Size:         | Size 00       |
| Capsule Material:   | Vegetable Cellulose                  | Capsule Color:        | Clear         |
| Other Ingredients:  | Magnesium Stearate                   |                       |               |

## Organoleptic Testing Results:

| Test  | Specification    | Result   | Pass/Fail |
|-------|------------------|----------|-----------|
| Color | Org. Tube # 1085 | Conforms | Pass      |
| Smell | Org. Tube # 1085 | Conforms | Pass      |

## Physical Testing Results:

| Test                | Specification     | Result          | Pass/Fail |
|---------------------|-------------------|-----------------|-----------|
| Capsule Fill Weight | ≥ 424mg/capsule   | 426.2mg/capsule | Pass      |
| Capsule Mass Test   | USP <2091> Test 1 | 551mg/capsule   | Pass      |

## Analytical Testing Results:

| Test           | Method                                                     | Methodology             | Specification   | Result                                                                       | Pass/Fail |
|----------------|------------------------------------------------------------|-------------------------|-----------------|------------------------------------------------------------------------------|-----------|
| Identity       | LAB TM-001                                                 | FTIR                    | ≥ 95%           | 98%                                                                          | Pass      |
| Assay          | <sup>1</sup> H qNMR                                        | <sup>1</sup> H qNMR     | ≥ 400mg/capsule | 412.8mg/capsule                                                              | Pass      |
| Loss on Drying | LAB TM-013                                                 | Moisture Balance        | Report only     | 0.59%                                                                        | N/A       |
| Heavy Metals   | ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008 | ICP/ICPMS               | ≤ 0.5 ppm ea.   | As: < 0.0625 ppm<br>Cd: < 0.0250 ppm<br>Hg: < 0.0100 ppm<br>Pb: < 0.0250 ppm | Pass      |
| Melting Point  | LAB TM-011                                                 | Melting Point Apparatus | 96.5 - 100.5°C  | 96.5 - 98.9°C                                                                | Pass      |
| Water Activity | LAB TM-012                                                 | Water Activity          | <0.73           | 0.32                                                                         | Pass      |

Final Approval



Kennedi Enoch, Quality Liaison

