

# Certificate of Analysis

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

| Product Information |  |                       |               |
|---------------------|--|-----------------------|---------------|
| Product Name:       | Milk Thistle Low Silychristin Capsules | CoA #:                | ND-24-550     |
| Product Size:       | 120 count                              | Lot Number:           | MSSCS2022124  |
| Production Date:    | 02/26/2024                             | Capsule Batch #:      | MSSCLL0124VEG |
| Report Date:        | 02/26/2024                             | Raw Material Batch #: | MSS0580124    |
| Best By Date:       | 02/2026                                | RM spec #:            | 225_v2        |
| Appearance:         | White powder in a clear capsule        | Capsule Size:         | Size 1        |
| Capsule Material:   | Vegetable Cellulose                    | Capsule Color:        | Clear         |
| Other Ingredients:  | Rice Flour, Magnesium Stearate         |                       |               |

## Organoleptic Testing Results:

| Test  | Specification    | Result   | Pass/Fail |
|-------|------------------|----------|-----------|
| Color | Org. Tube # 1225 | Conforms | Pass      |
| Smell | Org. Tube # 1225 | Conforms | Pass      |

## Physical Testing Results:

| Test                | Specification     | Result        | Pass/Fail |
|---------------------|-------------------|---------------|-----------|
| Capsule Fill Weight | ≥324g/capsule     | 325mg/capsule | Pass      |
| Capsule Mass Test   | USP <2091> Test 1 | 417mg/capsule | Pass      |

## Analytical Testing Results:

| Test  | Method   | Methodology      | Specification    | Result   | Pass/Fail |
|---|--|------------------|------------------|--|-----------|
| Identity ( <i>Silybum marianum</i> , Seed)          | LAB TM-060   | HPTLC            | Matches to BRM   | Conforms   | Pass      |
| Assay - Total Silymarins (as Silybin A + B) (as is) | LAB TM-061   | UPLC             | ≥ 200mg/capsule  | 218.8mg/capsule  | Pass      |
| Assay - Silychristin (as is)                        | LAB TM-061   | UPLC             | ≤ 0.05mg/capsule | 0.04mg/capsule   | Pass      |
| Loss on Drying                                      | LAB TM-013   | Moisture Balance | Report Only      | 1.9%   | 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           | 0.25   | Pass      |

Final Approval



Kennedy Enoch, Quality Liaison

