

# Certificate of Analysis

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

| Product Information |                                                               |                   |                     |
|---------------------|---------------------------------------------------------------|-------------------|---------------------|
| Product Name:       | Tribugen Capsules                                             | CoA #:            | ND-24-625           |
| Product Size:       | 120 count                                                     | Lot Number:       | TRBCS1100423        |
| Production Date:    | 10/09/2023                                                    | Capsule Batch #:  | TRBCSLL0923VEG      |
| Report Date:        | 10/09/2023                                                    | Capsule Material: | Vegetable Cellulose |
| Best By Date:       | 10/2025                                                       | Capsule Size:     | Size 00             |
| Appearance:         | Light brown powder in clear capsule                           | Capsule Color:    | Clear/Clear         |
| Other Ingredients:  | Microcrystalline Cellulose 101, Silicon Dioxide, Stearic Acid |                   |                     |

## Organoleptic Testing Results:

| Test  | Specification    | Result   | Pass/Fail |
|-------|------------------|----------|-----------|
| Color | Org. Tube # 2564 | Conforms | Pass      |
| Smell | Org. Tube # 2564 | Conforms | Pass      |

## Physical Testing Results:

| Test                | Specification     | Result          | Pass/Fail |
|---------------------|-------------------|-----------------|-----------|
| Capsule Fill Weight | ≥595mg/capsule    | 595.2mg/capsule | Pass      |
| Capsule Mass Test   | USP <2091> Test 1 | 715mg/capsule   | Pass      |

## Ingredients

| Ingredient Name                             | Content       | Raw Material Batch # | Raw Material Spec # |
|---------------------------------------------|---------------|----------------------|---------------------|
| Tribulus Extract 20% Protodioscin           | 100mg/capsule | PTK0140123           | 538_v2              |
| Dioscorea Nipponica Extract                 | 100mg/capsule | DNP0251222           | 543_v1              |
| Fenugreek (3% Trigonelline, 1% Protodioscin | 100mg/capsule | FGK0200823           | 542_v2              |
| Mung Bean Extract                           | 125mg/capsule | MGB0400223           | 282_v2              |
| Cordyceps Mushroom 10:1 Extract             | 125mg/capsule | CM10511222           | 045_v1              |

| Test                                                  | Method     | Methodology | Specification                 | Result          | Pass/Fail |
|-------------------------------------------------------|------------|-------------|-------------------------------|-----------------|-----------|
| Identity ( <i>Tribulus terrestris</i> , fruit)        | LAB TM-171 | HPTLC       | Matches to BRM                | Conforms        | Pass      |
| Identity - ( <i>Dioscorea nipponica</i> , root)       | LAB TM-221 | HPTLC       | Matches to Reference Material | Conforms        | Pass      |
| Identity - ( <i>Trigonella foenum-graecum</i> , Seed) | LAB TM-227 | HPTLC       | Matches to Reference Material | Conforms        | Pass      |
| Identification - ( <i>Vigna radiata</i> , seed)       | LAB TM-159 | HPTLC       | Matches to BRM                | Conforms        | Pass      |
| Identity Cordyceps 10:1 Extract                       | LAB TM-070 | HPTLC       | Matches to BRM                | Conforms        | Pass      |
| Assay - Protodioscin (as is)                          | LAB TM-175 | UPLC        | ≥ 61mg/capsule                | 72.8mg/capsule  | Pass      |
| Assay - Trigonelline (as is basis)                    | LAB TM-220 | UPLC        | ≥ 3mg/capsule                 | 4mg/capsule     | Pass      |
| Assay - Vitexin (dry basis)                           | LAB TM-172 | UPLC        | ≥12.5mg/capsule               | 13.8mg/capsule  | Pass      |
| Assay - Isovitexin (dry basis)                        | LAB TM-172 | UPLC        | ≥12.5mg/capsule               | 16.3mg/capsule  | Pass      |
| β-Glucans                                             | LAB TM-078 | Megazyme    | ≥ 25mg/capsule                | 44.3mg/capsule  | Pass      |
| α-Glucans                                             | LAB TM-078 | Megazyme    | ≤ 6.25mg/capsule              | 1.2mg/capsule   | Pass      |
| Cordycepin Assay                                      | LAB TM-023 | HPLC        | >0.375mg/capsule              | 0.492mg/capsule | Pass      |



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| Test           | Method                                                           | Methodology    | Specification | Result       | Pass/Fail |
|----------------|------------------------------------------------------------------|----------------|---------------|--------------|-----------|
| Heavy Metals   | ICP-MS Metals - USP<br><233>/<730> Apex<br>Metals-011/Metals-008 | ICP/ICPMS      | < 0.5 ppm ea. | As 0.176 ppm | Pass      |
|                |                                                                  |                |               | Cd 0.051 ppm |           |
|                |                                                                  |                |               | Hg 0.016 ppm |           |
|                |                                                                  |                |               | Pb 0.104 ppm |           |
| Water Activity | LAB TM-012                                                       | Water Activity | < 0.73        | 0.21         | Pass      |

Final Approval:

Kennedi Enoch, Quality Liaison

