

# Certificate of Analysis

Report Issued To: Natrium Health, 82055 S. Priest Dr #11750, Tempe, AZ 85284

| Product Information |  |                   |                    |
|---------------------|--|-------------------|--------------------|
| Product Name:       | Alcohol Defense Capsules   Dihydromyricetin + Ginger Extract | CoA #:            | ND-24-1395         |
| Product Size:       | 120 count  | Lot Number:       | ADFC1091624A       |
| Production Date:    | 09/16/2024   | Capsule Batch #:  | ADFCSSL0424VEG     |
| Report Date:        | 09/16/2024   | Capsule Material: | Vegetable Capsules |
| Best By Date:       | 09/2027  | Capsule Size      | 00                 |
| Appearance:         | Capsules filled with cream powder                            | Capsule Color:    | Clear              |
| Other Ingredients:  | Glycine  |                   |                    |

## Organoleptic Testing Results:

| Test  | Specification    | Result   | Pass/Fail |
|-------|------------------|----------|-----------|
| Color | Org. Tube # 2034 | Conforms | Pass      |
| Smell | Org. Tube # 2034 | Conforms | Pass      |

## Physical Testing Results:

| Test                | Specification     | Result        | Pass/Fail |
|---------------------|-------------------|---------------|-----------|
| Capsule Fill Weight | ≥815mg/capsule    | 815mg/capsule | Pass      |
| Capsule Mass Test   | USP <2091> Test 1 | 940mg/capsule | Pass      |

## Ingredients

| Ingredient Name                                       | Content        | Raw Material Batch # | Raw Material Spec # |
|---|----------------|----------------------|---------------------|
| Dihydromyricetin                                      | 160mg/capsule  | DMC0090823           | 143_v2              |
| Ginger Extract 10% Gingerols + Shogaols CO2 Extracted | 75mg/capsule   | GCO0140922           | 536                 |
| Pyroglutamic acid                                     | 150mg/capsule  | PGA0050224/0423      | 144_v3              |
| Pyridoxal 5'-phosphate                                | 5.45mg/capsule | P5P0050124           | 145_v4              |
| Succinic Acid   | 125mg/capsule  | SCA0400324           | 146_v3              |

## Analytical Testing

| Test                              | Method     | Methodology | Specification                   | Result                        | Pass/Fail |
|-----------------------------------|------------|-------------|---------------------------------|-------------------------------|-----------|
| Identity Dihydromyricetin         | LAB TM-001 | FTIR        | ≥ 95% match                     | Conforms                      | Pass      |
| Identity Zingiber officinale Rose | LAB TM-145 | HPTLC       | Matches to BRM                  | Conforms                      | Pass      |
| Identity Pyroglutamic acid        | LAB TM-001 | FTIR        | ≥ 95% Match                     | 98% Match                     | Pass      |
| Identity Pyridoxal 5'-phosphate   | LAB TM-001 | FTIR        | ≥ 95% Match                     | 100%                          | Pass      |
| Identity Succinic Acid            | LAB TM-001 | FTIR        | ≥ 95% Match to Library Standard | 99% Match to Library Standard | Pass      |
| Assay- Dihydromyricetin           | LAB TM-238 | UPLC        | ≥ 160mg/capsule                 | 164.5mg/capsule               | Pass      |
| Assay- Gingerols + Shogaols       | LAB TM-019 | UPLC        | ≥ 7.5mg/capsule                 | 11.4mg/capsule                | Pass      |
| Assay- L- Pyroglutamic acid       | LAB TM-027 | Polarimeter | ≥145mg/capsule                  | 149mg/capsule                 | Pass      |
| Assay -Pyridoxal 5'-phosphate     | TM0020     | UPLC-MS     | ≥5.3mg/capsule                  | 10.6mg/capsule                | Pass      |
| Assay- Succinic Acid              | HPLC       | HPLC        | ≥125mg/capsule                  | 136.5mg/capsule               | Pass      |

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| Test           | Method   | Methodology    | Specification | Result   | Pass/Fail |
|----------------|--|----------------|---------------|--|-----------|
| Heavy Metals   | ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008 | ICP/ICPMS      | < 0.5 ppm ea. | As 0.158 ppm<br>Cd 0.049 ppm<br>Hg 0.011 ppm<br>Pb 0.176 ppm | Pass      |
| Water Activity | LAB TM-012   | Water Activity | < 0.73        | 0.29   | Pass      |

Final Approval



Kennedi Enoch, Quality Liaison

