



DATE: 07/20/2023

## CERTIFICATE OF ANALYSIS

Product: **GDA-MAX CAPS**  
Product code : **18665**  
Prepared For: **NUETHIX FORMULATIONS**

Lot No: **2303340**  
Serving Size : **1 Caps**  
Manufacture Date: **05/2023**

### PHYSICAL CHARACTERISTICS

| <u>TEST</u>            | <u>SPECIFICATION</u>                          | <u>RESULT</u>                    | <u>METHOD</u>   |
|------------------------|-----------------------------------------------|----------------------------------|-----------------|
| Average Capsule Weight | 874mg - 966mg                                 | 923 mg                           | Balance Reading |
| Capsule Size           | "00"                                          | "00"                             | Organoleptic    |
| Disintegration         | ≤ 30 Min                                      | 11 Mins                          | USP <2040>      |
| Capsule Color          | Natural/Natural                               | Natural/Natural                  | Organoleptic    |
| Capsule Type           | Hypromellose                                  | Hypromellose                     | Chemical Test   |
| Blend Color            | Yellow to Greenish<br>Yellow w/ Tiny<br>Spots | Greenish Yellow<br>w/ Tiny Spots | Organoleptic    |

### AMOUNT PER SERVING

#### INGREDIENT

|                                               |                 |           |                   |
|-----------------------------------------------|-----------------|-----------|-------------------|
| Vitamin B1 (As Thiamine HCl)                  | 50mg - 85mg     | 64.13 mg  | HPLC              |
| Pantothenic Acid (As Calcium D-Pantothenate)  | 30mg - 51mg     | 36mg      | PPCS <sup>‡</sup> |
| Chromium (As Chromium Polynicotinate)         | 200mcg - 340mcg | 238.90mcg | ICP-OES           |
| Berberine HCl                                 | 200mg - 250mg   | 210mg     | PPCS <sup>‡</sup> |
| Sodium (from R-Alpha Lipoic Acid Sodium Salt) | 10mg - 13mg     | 105mg     | PPCS <sup>‡</sup> |
| Gymnema Sylvestre Leaf Powder                 | 100mg - 105mg   | 100mg     | PPCS <sup>‡</sup> |
| Green Tea Leaf Extract 50% EGCG Decaffeinated | 100mg - 140mg   | 105.84mg  | HPLC              |
| Cinnamon Bark Extract 4:1                     | 50mg - 52.5mg   | 50mg      | PPCS <sup>‡</sup> |
| Vanadium (As Vanadyl Sulfate)                 | 1.9mg - 3.14mg  | 1.995mg   | PPCS <sup>‡</sup> |
| L-Glutamic Acid                               | 2mg - 2.2mg     | 2.1mg     | PPCS <sup>‡</sup> |
| Glycine                                       | 2mg - 2.5mg     | 2.1mg     | PPCS <sup>‡</sup> |
| L-Cysteine HCl                                | 2mg - 2.5mg     | 2.1mg     | PPCS <sup>‡</sup> |

### CONTAMINANTS

#### MICROBIOLOGICAL

|                            |                        |           |         |
|----------------------------|------------------------|-----------|---------|
| Total Aerobic Plate Count  | <10 <sup>7</sup> cfu/g | 100 cfu/g | USP<61> |
| Total Yeast and Mold (Y&M) | <10 <sup>5</sup> cfu/g | <10 cfu/g | USP<61> |
| Enterobacteriaceae         | <10 <sup>4</sup> cfu/g | <10 cfu/g | USP<62> |
| Salmonella spp.            | Absent                 | Absent    | USP<62> |
| E. Coli                    | Absent                 | Absent    | USP<62> |
| Staphylococcus aureus      | Absent                 | Absent    | USP<62> |

<sup>‡</sup>In accordance with 21 CFR § 111.75 (c) or (d) ingredient is exempt from testing. Result is substantiated through component testing and/or examination; in-process testing, examination, and/or monitoring; and other aspects of the established Production and Process Control System (PPCS).



**HEAVY METALS:**

|                     |               |            |        |
|---------------------|---------------|------------|--------|
| Mercury (2µg/day)   | ≤ 2.2883 ppm  | 0.0244 ppm | ICP/MS |
| Lead (8.8µg/day)    | ≤ 10.0686 ppm | 0.1776 ppm | ICP/MS |
| Arsenic (10µg/day)  | ≤ 11.4416 ppm | 0.0326 ppm | ICP/MS |
| Cadmium (4.1µg/day) | ≤ 4.6911 ppm  | 0.0718 ppm | ICP/MS |

**GLUTEN**

NMT 20 ppm < 4 ppm ELISA

**B-LACTOGLOBULIN**

Not Detected (LOQ 5.0 ppm) <5 ppm ELISA

**CASEIN**

Not Detected (LOQ 2.5 ppm) <2.5 ppm ELISA

**QUALITY CONTROL**

**BACTOLAC PHARMACEUTICAL, INC.**