

DATE: 11/22/2023

## CERTIFICATE OF ANALYSIS

Product: **ADRENA HEALTH CAPS**  
Product code : **18537**  
Prepared For: **NUETHIX FORMULATIONS**

Lot No: **2310050**  
Serving Size : **4 Caps**  
Manufacture Date: **10/2023**

### PHYSICAL CHARACTERISTICS

| <u>TEST</u>            | <u>SPECIFICATION</u>             | <u>RESULT</u>       | <u>METHOD</u>   |
|------------------------|----------------------------------|---------------------|-----------------|
| Average Capsule Weight | 998mg - 1103mg                   | 1068 mg             | Balance Reading |
| Capsule Size           | "00" Elongated"                  | "00" Elongated      | Organoleptic    |
| Disintegration         | ≤ 30 Min                         | 12 Mins             | USP <2040>      |
| Capsule Color          | Natural/Natural                  | Natural/Natural     | Organoleptic    |
| Capsule Type           | Hypromellose                     | Hypromellose        | Chemical Test   |
| Blend Color            | Off White to Light Brown w/Spots | Light Brown w/Spots | Organoleptic    |

### AMOUNT PER SERVING

#### INGREDIENT

|                                                                           |                  |          |           |
|---------------------------------------------------------------------------|------------------|----------|-----------|
| Vitamin C (Ascorbic Acid)                                                 | 240mg - 408mg    | 290.44mg | Titration |
| Vitamin B6 (As Pyridoxine HCl)                                            | 100mg - 170mg    | 120mg    | PPCS†     |
| Pantothenic Acid (As Calcium-D-Pantothenate)                              | 500mg - 800mg    | 581.52mg | HPLC      |
| Calcium (As DIMACAL® Dicalcium Malate)                                    | 200mg - 322.36mg | 229.44mg | ICP-OES   |
| Magnesium (As Magnesium Citrate & Traacs® Magnesium Bisglycinate Chelate) | 200mg - 260mg    | 203.4mg  | ICP-OES   |
| Adrenal (Suprarenal Substance)                                            | 300mg - 330mg    | 315mg    | PPCS†     |
| Glandular (Bovine)                                                        |                  |          |           |
| Hypothalamus Substance (Bovine)                                           | 200mg - 220mg    | 210mg    | PPCS†     |

### CONTAMINANTS

#### MICROBIOLOGICAL

|                            |                        |           |         |
|----------------------------|------------------------|-----------|---------|
| Total Aerobic Plate Count  | <10 <sup>4</sup> cfu/g | 600 cfu/g | USP<61> |
| Total Yeast and Mold (Y&M) | <10 <sup>3</sup> cfu/g | 50 cfu/g  | USP<61> |
| Enterobacteriaceae         | <10 <sup>2</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> |

†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).



# NuEthix

FORMULATIONS

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## **HEAVY METALS:**

|                     |              |            |        |
|---------------------|--------------|------------|--------|
| Mercury (2µg/day)   | ≤ 0.5010 ppm | <0.001 ppm | ICP/MS |
| Lead (8.8µg/day)    | ≤ 2.2044 ppm | <0.001 ppm | ICP/MS |
| Arsenic (10µg/day)  | ≤ 2.5050 ppm | 0.0433 ppm | ICP/MS |
| Cadmium (4.1µg/day) | ≤ 1.0271 ppm | 0.0147 ppm | ICP/MS |

## **GLUTEN**

|            |         |       |
|------------|---------|-------|
| NMT 20 ppm | < 4 ppm | ELISA |
|------------|---------|-------|

## **B-LACTOGLOBULIN**

|                            |        |       |
|----------------------------|--------|-------|
| Not Detected (LOQ 5.0 ppm) | < 5ppm | ELISA |
|----------------------------|--------|-------|

## **CASEIN**

|                            |          |       |
|----------------------------|----------|-------|
| Not Detected (LOQ 2.5 ppm) | < 2.5ppm | ELISA |
|----------------------------|----------|-------|

**QUALITY CONTROL**  
**BACTOLAC PHARMACEUTICAL, INC.**

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