

DATE: **04/19/2023**

CERTIFICATE OF ANALYSIS

Product: **MOODUP CAPS**
Product code : **18484**
Prepared For: **NUETHIX FORMULATIONS**

Lot No: **2212161**
Serving Size : **4 Caps**
Manufacture Date: **01/2023**

PHYSICAL CHARACTERISTICS

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>	<u>METHOD</u>
Average Capsule Weight	979 mg – 1082 mg	1028 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	Off White to Faint Peach w/ tiny Spots	Faint Peach w/ tiny Spots	Organoleptic

AMOUNT PER SERVING

INGREDIENT

Vitamin C (Ascorbic Acid)	300mg - 510mg	365.64mg	Titration
Vitamin B6 (As Pyridoxal-5-Phosphate)	25mg - 45mg	32.5mg	PPCS [‡]
Folate (As L-5-Methyltetrahydrofolate Calcium) (Biofolate®)	200mcg - 310mcg DFE DFE	300mcg	PPCS [‡]
Calcium (As Calcium Citrate)	84mg - 109.2mg	90.24mg	ICP-OES
Magnesium (As Magnesium Citrate)	32mg - 41.6mg	36.72mg	ICP-OES
Chromium (As Chromium Picolinate)	500mcg - 850mcg	555.08mg	ICP-OES
DL-Phenylalanine	1g - 1.25g	1.05g	PPCS [‡]
L-Tyrosine	750mg - 825mg	787.5mg	PPCS [‡]
L-Glutamine	375mg - 412.5mg	393.75mg	PPCS [‡]
Rhodiola Rosea Root Extract	100mg - 115mg	110mg	PPCS [‡]
Rosavins	3mg - 4.35mg	3.3mg	PPCS [‡]
Salidroside	1mg - 1.45mg	1.1mg	PPCS [‡]
5-HTP (From Griffonia Seed Extract)	75mg - 108.75mg	82.5mg	PPCS [‡]

CONTAMINANTS

MICROBIOLOGICAL

Total Aerobic Plate Count	<10 ⁴ cfu/g	200 cfu/g	USP<61>
Total Yeast and Mold (Y&M)	<10 ³ cfu/g	<10 cfu/g	USP<61>
Enterobacteriaceae	<10 ² 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>

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) <2.5ppm ELISA

[‡]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)	≤ 0.5107 ppm	0.0014 ppm	ICP/MS
Lead (8.8µg/day)	≤ 2.2472 ppm	0.0463 ppm	ICP/MS
Arsenic (10µg/day)	≤ 2.5536 ppm	0.0383 ppm	ICP/MS
Cadmium (4.1µg/day)	≤ 1.0470 ppm	0.0080 ppm	ICP/MS



QUALITY CONTROL
BACTOLAC PHARMACEUTICAL, INC.

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