



DATE: **02/12/2024**

CERTIFICATE OF ANALYSIS

Product: **GUT DEFENDER + CAPS**
 Product code : **18676**
 Prepared For: **NUETHIX FORMULATIONS**

Lot No: **2311060**
 Serving Size : **2 Caps**
 Manufacture Date: **01/2024**

PHYSICAL CHARACTERISTICS

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>	<u>METHOD</u>
Average Capsule Weight	798mg - 882mg	849mg	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	Light Green To Yellowish Green w/Spots	Light Green w/Spots	Organoleptic

AMOUNT PER SERVING

INGREDIENT

Vitamin A (As Beta Carotene)	180mcg - 387mcg	270mcg	PPCS [‡]
Vitamin A (As Retinyl Palmitate)	60mcg - 129mcg	109.09mcg	HPLC
Molybdenum (As Molybdenum Amino Acid Chelate)	50mcg - 85mcg	56.4mcg	ICP-OES
Olive Leaf Extract 4:1	300mg - 315mg	300mg	PPCS [‡]
Monolaurin (Glyceryl Monolaurate)	200mg - 250mg	210mg	PPCS [‡]
French Tarragon Herb Extract 10:1	200mg - 210mg	200mg	PPCS [‡]
Caprylic Acid (From Magnesium Caprylate)	200mg - 250mg	210mg	PPCS [‡]
Thyme Leaf Extract 4:1	100mg - 105mg	100mg	PPCS [‡]
Artichoke Leaf Extract 4:1	100mg - 105mg	100mg	PPCS [‡]
Silymarins (From Milk Thistle Seed Extract)	80mg - 112mg	84mg	PPCS [‡]

CONTAMINANTS

MICROBIOLOGICAL

Total Aerobic Plate Count	<10 ⁴ cfu/g	300 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>

‡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)	≤ 0.3133 ppm	0.0010 ppm	ICP/MS
Lead (8.8µg/day)	≤ 1.3784 ppm	0.0150 ppm	ICP/MS
Arsenic (10µg/day)	≤ 1.5664 ppm	0.0483 ppm	ICP/MS
Cadmium (4.1µg/day)	≤ 0.6422 ppm	0.1915 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
----------------------------	----------	-------

‡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).