



DATE: **04/20/2023**

CERTIFICATE OF ANALYSIS

Product: **NU-MULTI CAPS**
 Product code : **18542**
 Prepared For: **NUETHIX FORMULATIONS**

Lot No: **2301332**
 Serving Size : **3 Caps**
 Manufacture Date: **03/2023**

PHYSICAL CHARACTERISTICS

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>	<u>METHOD</u>
Average Capsule Weight	779mg - 861mg	826 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	Greenish Yellow to Yellow Brown w/Multi Spots	Yellowish Brown w/Multi Spots	Organoleptic

AMOUNT PER SERVING

<u>INGREDIENT</u>			
Vitamin A (As Beta Carotene)	1500mcg - 3225mcg	2250mcg	PPCS‡
Vitamin A (As Retinyl Acetate)	1500mcg - 3225mcg	2250mcg	PPCS‡
Vitamin C (Ascorbic Acid & Ascorbyl Palmitate)	120mg - 204mg	160.83mg	Titration
Vitamin D3 (As Cholecalciferol)	25mcg - 53.75mcg	37.5mcg	PPCS‡
Vitamin E (As D-Alpha Tocopheryl Succinate)	67mg - 130.65mg	87.1mg	PPCS‡
Vitamin K (As Phytonadione) On DCP	120mcg - 234mcg	156mcg	PPCS‡
Vitamin B1 (As Thiamine Mononitrate)	25mg - 45mg	33.48mg	HPLC
Vitamin B2 (Riboflavin)	15mg - 27mg	15.3mg	HPLC
Vitamin B3 (As Niacinamide)	30mg - 40.5mg	39mg	PPCS‡
Vitamin B3 (Niacin)	20mg - 27mg	26mg	PPCS‡
Vitamin B6 (As Pyridoxine HCl)	25mg - 45mg	34.08mg	HPLC
Folate (Asl-5-Methyltetrahydrofolate Calcium) (Biofolate®)	800mcg - 1240mcg	1200mcg	PPCS‡
Vitamin B12 (As Methylcobalamin) On DCP	DFE DFE	DFE	
Biotin On DCP	200mcg - 360mcg	260mcg	PPCS‡
Pantothenic Acid (As Calcium-D-Pantothenate)	500mcg - 900mcg	650mcg	PPCS‡
Iodine (From Potassium Iodide) On DCP	75mg - 127.5mg	81.12mg	HPLC
Magnesium (As Magnesium Citrate)	150mcg - 255mcg	165mcg	PPCS‡
Zinc (As Zinc Citrate)	40mg - 52mg	49.74mg	ICP-OES
	15mg - 19.5mg	15.27mg	ICP-OES

‡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).



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Selenium (As Selenium Glycinate Complex)	100mcg - 170mcg	110mcg	PPCS‡
Copper (As Copper Citrate)	1mg - 1.3mg	1.236mg	ICP-OES
Manganese (As Manganese Citrate)	0.5mg - 0.65mg	0.525mg	PPCS‡
Chromium (As Chromium Polynicotinate)	200mcg - 340mcg	220mcg	PPCS‡
Molybdenum (As Molybdenum Aspartate)	50mcg - 85mcg	55mcg	PPCS‡
Choline (As Choline Bitartrate)	25mg - 38.75mg	26.25mg	PPCS‡
Inositol	25mg - 31.25mg	26.25mg	PPCS‡
Resveratrol (From Japanese Knotweed Root Extract)	10mg - 14mg	10.5mg	PPCS‡
Lycopene	6mg - 12.6mg	6.6mg	PPCS‡
Lutein	6mg - 12.6mg	6.6mg	PPCS‡
Zeaxanthin	2mg - 5.2mg	2.2mg	PPCS‡
Phytonutrient Blend			
Artichoke Leaf Extract 5%	35mg - 49mg	36.75mg	PPCS‡
Caffeoylquinic Acids			
Bitter Melon Fruit Extract 4:1	35mg - 36.75mg	35mg	PPCS‡
Blueberry Fruit Extract 12%	30mg - 42mg	31.5mg	PPCS‡
Anthocyanins			
Cinnamon Bark Extract 4:1	30mg - 31.5mg	30mg	PPCS‡
Citrus Bioflavonoid Complex 50%	30mg - 42mg	31.5mg	PPCS‡
Hesperidin			
Grape Seed Extract 95% Polyphenols	30mg - 42mg	31.5mg	PPCS‡
Green Coffee Bean Ext 50%	30mg - 43.5mg	33mg	PPCS‡
Chlorogenic Acids			
Green Tea Leaf Extract 98%	30mg - 42mg	31.5mg	PPCS‡
Polyphenols 75% Catechins 45%			
EGCG			
Heartwood Bark Extract 20:1	30mg - 31.5mg	30mg	PPCS‡
Prune Fruit Extract 4:1	30mg - 31.5mg	30mg	PPCS‡
Pomegranate Fruit Hull Extract 40%	30mg - 42mg	31.5mg	PPCS‡
Ellagic Acid			
Rosemary Leaf Extract 6% Carnosic Acid	30mg - 42mg	31.5mg	PPCS‡
Watercress Herb Extract 4:1	30mg - 31.5mg	30mg	PPCS‡

CONTAMINANTS

MICROBIOLOGICAL

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

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HEAVY METALS:

Mercury (2µg/day)	≤ 0.8558 ppm	0.0089 ppm	ICP/MS
Lead (8.8µg/day)	≤ 3.7655 ppm	0.0887 ppm	ICP/MS
Arsenic (10µg/day)	≤ 4.2790 ppm	0.0787 ppm	ICP/MS
Cadmium (4.1µg/day)	≤ 1.7544 ppm	0.0898 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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