

DATE: **05/17/2023**

**CERTIFICATE OF ANALYSIS**

Product: **THYRO-BOOST ESSENTIALS VEGGIE CAPS**  
Product code : **18445**  
Prepared For: **NUETHIX FORMULATIONS**

Lot No: **2211194**  
Serving Size : **1 Cap**  
Manufacture Date: **01/2023**

**PHYSICAL CHARACTERISTICS**

<b><u>TEST</u></b>	<b><u>SPECIFICATION</u></b>	<b><u>RESULT</u></b>	<b><u>METHOD</u></b>
Average Capsule Weight	864mg - 955mg	913 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	Beige to Tan Brown w/Spots	Beige w/Spots	Organoleptic

**AMOUNT PER SERVING**

**INGREDIENT**

Vitamin A (As Retinyl Palmitate)	300mcg - 645mcg	450mcg	PPCS‡
Vitamin C (From Magnesium Ascorbate)	100mg - 160mg	122.29 mg	Titration
Vitamin D3 (As Cholecalciferol)	8mcg - 17.2mcg	12mcg	PPCS‡
Vitamin E (As D-Alpha Tocopheryl Succinate)	2mg - 3.9mg	2.6mg	PPCS‡
Vitamin B2 (Riboflavin)	5mg - 8.5mg	5.49 mg	HPLC
Vitamin B3 (As Niacinamide)	10mg - 12.5mg	12mg	PPCS‡
Vitamin B6 (As Pyridoxine HCl)	10mg - 17mg	11.45 mg	HPLC
Iodine (As Potassium Iodide On Dicalcium Phosphate)	75mcg - 135mcg	90mcg	PPCS‡
Magnesium (From Magnesium Ascorbate)	13mg - 16.25mg	16.10 mg	ICP-OES
Zinc (As Zinc Bisglycinate Chelate)	5mg - 6.75mg	5.90 mg	ICP-OES
Selenium (As L-Selenomethionine) On DCP	50mcg - 85mcg	55mcg	PPCS‡
L-Tyrosine	200mg - 250mg	210mg	PPCS‡
Rhodiola Rosea Root Extract 3% Rosavins 1% Salidroside	133mg - 186.2mg	139.65mg	PPCS‡
Dry Mixed Tocopherols	45mg - 56.25mg	47.25mg	PPCS‡

**CONTAMINANTS**

**MICROBIOLOGICAL**

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

---

**HEAVY METALS:**

Mercury (2µg/day)	≤ 0.7716 ppm	<0.001 ppm	ICP/MS
Lead (8.8µg/day)	≤ 3.3951 ppm	0.0131 ppm	ICP/MS
Arsenic (10µg/day)	≤ 3.8580 ppm	0.0151 ppm	ICP/MS
Cadmium (4.1µg/day)	≤ 1.5818 ppm	0.0072 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.**

---

‡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).