



NuEthix

FORMULATIONS

DATE: 03/06/2024

CERTIFICATE OF ANALYSIS

Product: **VITAMIN D3 CAPS**
 Product code : **19136**
 Prepared For: **NUETHIX FORMULATIONS**

Lot No: **2312095**
 Serving Size : **1 Cap**
 Manufacture Date: **02/2024**

PHYSICAL CHARACTERISTICS

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>	<u>METHOD</u>
Average Capsule Weight	808mg - 893mg	864mg	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 Light Gray Brown w/Spots	Light Gray Brown w/Spots	Organoleptic

AMOUNT PER SERVING

INGREDIENT

Vitamin C (As Sodium Ascorbate)	100mg - 160mg	118.21 mg	Titration
Vitamin D3 (As Cholecaliferol)	125mcg - 231.25mcg	144.98 mcg	HPLC
Vitamin K2 (As Menaquinone) (MK-7) On Dicalcium Phosphate	80mcg - 156mcg	104mcg	PPCS [‡]
Magnesium (As Magnesium Gluconate)	20mg - 26mg	21mg	PPCS [‡]
Zinc (As Zinc Gluconate)	4mg - 5.2mg	4.2mg	PPCS [‡]
Selenium (As Amino Acid Chelate Complex)	30mcg - 49.5mcg	31.5mcg	PPCS [‡]
Organic Reishi Mushroom /Fungus Fruiting Body Extract 16:1	30mg - 16.25mg	30mg	PPCS [‡]
Sodium (from Sodium Ascorbate)	13mg - 16.25mg	13mg	PPCS [‡]

CONTAMINANTS

MICROBIOLOGICAL

Total Aerobic Plate Count	<10 ⁷ cfu/g	100 cfu/g	USP<61>
Total Yeast and Mold (Y&M)	<10 ⁵ cfu/g	<10 cfu/g	USP<61>
Enterobacteriaceae	<10 ⁴ 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

B-LACTOGLOBULIN

CASEIN

HEAVY METALS:

Total Aerobic Plate Count	<10 ⁷ cfu/g	100 cfu/g	USP<61>
Total Yeast and Mold (Y&M)	<10 ⁵ cfu/g	<10 cfu/g	USP<61>
Enterobacteriaceae	<10 ⁴ 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)	< 5ppm	ELISA
CASEIN	Not Detected (LOQ 2.5 ppm)	< 2.5ppm	ELISA
HEAVY METALS:			
Mercury (2µg/day)	≤ 2.4752 ppm	<0.001 ppm	ICP/MS
Lead (8.8µg/day)	≤ 10.8911 ppm	0.0359 ppm	ICP/MS
Arsenic (10µg/day)	≤ 12.3762 ppm	0.0322 ppm	ICP/MS
Cadmium (4.1µg/day)	≤ 5.0743 ppm	0.0230 ppm	ICP/MS

‡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).