



NuEthix

FORMULATIONS

5208 ARBOR KNOLL LN INDEPENDENCE, KY 41051 • WWW.NUETHIX.COM

Product: Opti-Pure
 Lot Number: 2104065
 Manufacture Date: 10/2021

CERTIFICATE OF COMPOSITION AND ANALYSIS

COMPOSITION			
Material Ingredient	Input/capsule (mg)	Elemental Potency Specification	Active Measure by Input
Beta Carotene 20% NLT 330,000 IU/g (94mcg RAE/mg) Vitamin A, natural	0.212	NLT 9.40%	19.95mcg RAE
Vitamin A Palmitate NLT 500,000IU/g (80mcg RAE/mg)	2.333	NLT 8.00%	186.666mcg RAE
D-alpha tocopheryl acid succinate NLT 1155 IU/g (81% Vit E) Natural	29.815	NLT 81.00%	24.15mg
Thiamine HCl NLT 83% Thiamine	4.000	NLT 83.00%	3.32mg
Riboflavin NLT 96.5%	3.154	NLT 96.50%	3.043mg
Niacin NLT 98% Nicotinic acid	3.571	NLT 98.00%	3.5mg
Pyridoxine HCl NLT 80% Vitamin B6	2.292	NLT 80.00%	1.833mg
Pyridoxal-5-Phosphate 88% (theoretical 60.5% Vitamin B6, 39% P)	3.030	NLT 60.50%	1.833mg
Biofolate Calcium L-5-Methyltetrahydrofolate (5-MTHF, L-Methylfolate Calcium) NLT 7% Ca, theoretical 69% folate [117.3% DFE claim]	0.116	NLT 117.30%	136mcg DFE
Methylcobalamin (NLT 1% Vitamin B12) on DCP	0.018	NLT 1.00%	0.00018mg
Biotin NLT 1% on DCP	0.024	NLT 1.00%	0.00024mg
D-Calcium Pantothenate NLT 91.5% Pantothenic Acid, 8% Ca	14.557	NLT 91.50%	13.32mg
Novomin Magnesium Ascorbate NLT 6% Mg, 80% Ascorbic Acid, Fully chelated	82.500		
<i>Vitamin C (as magnesium ascorbate)</i>		NLT 80.00%	66mg
<i>Magnesium (as magnesium ascorbate)</i>		NLT 6.00%	4.95mg
Magnesium Citrate NLT 16% Mg, Granular	69.063	NLT 16.00%	11.05mg
Magnesium Malate NLT 15% Mg	4.444	NLT 15.00%	0.667mg
Zinc Picolinate NLT 20% Zn	3.400	NLT 20.00%	0.68mg
L-Selenomethionine NLT 0.5% Se	0.024	NLT 0.50%	0.00012mg
TRAACS Manganese Bisglycinate Chelate NLT 16% Mn	1.054	NLT 16.00%	0.169mg
TRAACS Molybdenum Glycinate Chelate NLT 2.5% Mo	0.714	NLT 2.50%	0.018mg
Calcium-D-Glucarate NLT 98.5%, 12.4% Ca	93.063	NLT 98.50%	91.667mg
L-Methionine NLT 98%	22.687	NLT 98.00%	22.233mg
Glycine NLT 98%	22.687	NLT 98.00%	22.233mg
L-Glutamic Acid HCl NLT 98%	22.687	NLT 98.00%	22.233mg
Taurine NLT 98%	22.687	NLT 98.00%	22.233mg
L-Glutamine NLT 98%	22.687	NLT 98.00%	22.233mg
Choline Bitartrate NLT 96.5%, 39.5% Choline	23.040	NLT 96.50%	22.233mg
N-Acetyl-L-Cysteine NLT 98%	34.014	NLT 98.00%	33.333mg
Quercetin Dihydrate NLT 85.5%, Granular (from Sophora japonica)	26.004	NLT 85.50%	22.233mg
Inositol NLT 97.5%	11.385	NLT 97.50%	11.1mg
L-Ornithine L-Aspartate NLT 98%	11.327	NLT 98.00%	11.1mg
Broccoli Sprout Extract NLT 0.4% Sulforaphane (Brassica oleracea)	11.100	NLT 100.00%	11.1mg
Milk Thistle Seed 4:1 Extract (Silybum marianum)	33.333	NLT 100.00%	33.333mg
L-Glutathione Reduced NLT 97.5%, High Density	5.709	NLT 97.50%	5.567mg
L-Serine NLT 98%	5.680	NLT 98.00%	5.567mg
L-Histidine HCl NLT 98.5%	5.651	NLT 98.50%	5.567mg
L-Carnitine L-Tartrate NLT 67% L-Carnitine	8.308	NLT 67.00%	5.567mg
CoEnzyme Q10 (Ubidecarenone) NLT 97.5%	2.838	NLT 97.50%	2.767mg
Grape Seed Extract NLT 95% Polyphenols (Vitis vinifera)	1.100	NLT 100.00%	1.1mg
Superoxide Dismutase (SOD) NLT 92%/8000 U/g, Bovine	0.012	NLT 92.00%	0.011mg
Catalase NLT 90%/625 BU/g	0.006	NLT 90.00%	0.005mg
Diindolylmethane (DIM) NLT 98.5%	27.343	NLT 98.50%	26.933mg
Alpha Lipoic Acid (ALA) NLT 98.5%	34.179	NLT 98.50%	33.666mg

Other Ingredients (listed in decreasing order by weight): Gelatin capsule (bovine & porcine), magnesium stearate



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ANALYSIS			
ATTRIBUTE	SPECIFICATION	METHOD	RESULTS
Product Form	Size 00 Elongated Natural Gelatin Capsule	Organoleptic	Conforms
Product Color	Tan-yellow	Organoleptic	Conforms
Gross Weight	817mg ± 2%	USP <2091>	814mg
Identity	Overlapping Spectra of 82 or greater	FT-IR	Conforms
ASSAY			
TEST	SPECIFICATION PER CAPSULE	METHOD	RESULTS
Vitamin C	NLT 60mg	Titration	98.63mg
Vitamin B6 (as Pyridoxine HCl)	NLT 1.667mg	HPLC	1.99mg
MICROBIOLOGY†			
TEST	SPECIFICATION	METHOD	RESULTS
Aerobic Count	NMT 1 x 10 ⁴ cfu/g	AOAC 990.12	3000 cfu/g
Enterobacteriaceae	NMT 1 x 10 ² cfu/g	AOAC 2003.01	<10 cfu/g
Yeast and Mold	NMT 1 x 10 ³ cfu/g	AOAC 997.02	<100 cfu/g
Staphylococcus Aureus	Not detected/10g	AOAC 2003.07	Negative
HEAVY METALS†††			
TEST	SPECIFICATION ††††	METHOD	RESULTS
Arsenic	NMT 15mcg/day	ICP-MS	<0.4150mcg/day
Cadmium	NMT 5mcg/day	ICP-MS	<0.1660mcg/day
Mercury	NMT 15mcg/day	ICP-MS	<0.0415mcg/day
Lead	NMT 10 mcg/day	ICP-MS	0.0759mcg/day

The results provided are as supplied by manufacturer, in-house, and/or independent laboratory testing

† Specifications based on NSF/ANSI 173 standards for Dietary Supplement Finished Products

††† Specifications based on USP <2232>

†††† Daily serving size is three capsules