



Certificate of Analysis (COA)

Report Number: 25-123213
Report Date : 03/27/2025

1169 Warner Ave, Tustin, CA, 92780 Phone:714-259-0384

Customer* : Blueprint Bryan Johnson

Contact* : Blueprint Bryan Johnson

Samples Received : 03/03/2025
Start of Testing : 03/03/2025
PO Number : 0228202501

Phone* :

Sample Name : Essential Capsules - Global

Item # : 18014

Lot # : HI25-046-01 / HI25000042

Lab # : 001

Test Code	Analysis - Method	Result	Spec
LAC86	Lactic Acid Bacteria (WECARE)	4.6 Billion CFU/Serving	NLT 4.0 Billion CFU/Servin g
NC	Yeast Count (USP 2021)	<10 CFU/G	<1,000 CFU/G
NC	Mold Count (USP 2021)	<10 CFU/G	<1,000 CFU/G
NC	Total Aerobic Microbial Count (Modified USP 2021)	170 CFU/G	<10,000 CFU/G
USPC17	5 Method Bundle Modified USP 2021/2022 (no coliform)	Completed	
NC	E. coli (Modified USP 2022)	Absent	Absent/10g
NC	Salmonella species (Modified USP 2022)	Absent	Absent/25g
NC	Staphylococcus aureus (Modified USP 2022)	Absent	Absent/10g
NRC01	Nicotinamide Riboside Chloride (NRC) (HPLC) SOP 3.1.335	306.67mg/ 1528mg	NLT 300.00mg/ 1528mg
CEQ11	Ubiquinol (HPLC) SOP 3.1.86	52.42 mg/2 capsules	NLT 50 mg/2 capsules
FIS01	Fisetin (HPLC) ALC130A	123.28 mg/1528 mg (2 capsules)	NLT 100 mg/1528 mg (2 capsules)
PES06	Pesticide Screen (Modified USP 561)	Completed	
PHT01	Phthalates (GC/MS) SOP 3.2.65	Completed	Conforms to EPA/AHPA
NC	Dimethyl Phthalate (GC)	87.27838 ng/g	Conforms to EPA/AHPA
NC	Diethyl phthalate (GC)	80.176905 ng/g	Conforms to EPA/AHPA

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NC	Diisobutyl phthalate (GC)	110.077760 ng/g	Conforms to EPA/AHPA				
NC	Dibutyl phthalate (GC)	2715.165241 ng/g	Conforms to EPA/AHPA				
NC	Bis(4-methyl-2-pentyl) phthalate (GC)	ND (LOD is 0.8 ng/g)	Conforms to EPA/AHPA				
NC	Bis(2-ethoxyethyl) phthalate (GC)	ND (LOD is 2 ng/g)	Conforms to EPA/AHPA				
NC	Dipentyl phthalate (GC)	156.527994 ng/g	Conforms to EPA/AHPA				
NC	Dihexyl phthalate (GC)	ND (LOD is 1.2 ng/g)	Conforms to EPA/AHPA				
NC	Benzyl phthalate (GC)	ND (LOD is 2 ng/g)	Conforms to EPA/AHPA				
NC	Dicyclohexyl phthalate (DCHP) (GC)	45.027216 ng/g	Conforms to EPA/AHPA				
NC	Bis(2-ethylhexyl) phthalate (GC)	1025.386858 ng/g	Conforms to EPA/AHPA				
NC	Di-n-octyl phthalate (DNOP) (GC)	ND (LOD is 2 ng/g)	Conforms to EPA/AHPA				
VITB109	Vitamin B1 (Thiamine HCL) (HPLC) SOP 3.1.177	1.12mg/ 1528mg	NLT 1.10mg/ 1528mg				
VITB202	Vitamin B2 (Riboflavin) HPLC SOP:3.1.335	1.70mg/ 1528mg	NLT 1.40mg/ 1528mg				
VITB601	Vitamin B6 (Pyridoxine Hydrochloride) (HPLC) SOP 3.1.335	1.81mg/ 1528mg	NLT 1.40mg/ 1528mg				
BIO02	Biotin (LC/MS)	0.05 mg/serving	NLT 0.05 mg/serving				
Test Note: Test Performed At CG Burbank. Test Method: MQLTM-1021 By LCMS.							
ABVITD04	Vitamin D3 (Cholecalciferol) (HPLC) SOP 3.1.334	97.01 mcg (3880.34 IU)/1528 mg	NLT 50.0 mcg (2000 IU)/1528 mg				
VITE07	d-Alpha Tocopherol (HPLC) SOP 3.1.334	77.94 mg/1528 mg	NLT 67.00 mg/1528 mg				
ICPCA02	Calcium (Ca) ICP-OES SOP 3.12.4	92.90 mg/2 capsules	Report Only				
ICPBO	Boron (B) ICP-OES SOP 3.12.4	5.53 mg/2 capsules	NLT 3 mg/2 capsules				

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ICPMN01	Manganese (Mn) (ICP-OES) SOP 3.12.4	1.63 mg/2 capsules	NLT 1 mg/2 capsules
ICPZN04	Zinc (Zn) ICP-OES SOP 3.12.4	19.65 mg/2 capsules	NLT 15 mg/2 capsules
IOD10	Iodide (Potassium Iodide) ISE SOP 3.7.5	0.219 mg/1528 mg	NLT 0.2 mg/1528 mg
ICPLI02	Lithium (Li) ICP-OES SOP 3.12.4	1.81 mg/2 capsules	
BRO01	Broccoraphanin (Glucoraphanin) (HPLC) ALC623A	27.38mg/1528mg	NLT 20mg/1528 mg
LUT05	Luteolin (HPLC) SOP 3.1.48	108.29 mg/1528 mg (2 capsules)	NLT 100 mg/1528 mg (2 capsules)
GLY06	Glyphosate (LC/MS)	Not Detected (LOD< 0.1 ppm)	Report Only
		Test Note: Test Performed At CG Burbank. Test Method: MQLTM-1188 By LCMS.	
ICPMS-Se1	Selenium ICP-MS	54.61 mcg/2 capsules	NLT 28 mcg/2 capsules
VITB502	B5 (d-Calcium Pantothenate) HPLC SOP 3.1.177	7.19mg/ 1528mg	NLT 6.00mg/ 1528mg
VITB302	Vitamin B3 (Niacinamide/Nicotinamide) (HPLC) SOP 3.1.335	18.93mg/ 1528mg	NLT 15.00mg/ 1528mg
WEI06	Average Unit Weight (based on 10) SOP 2.5.7	887.13 mg/capsule	
ABVITB12	B12 (Methylcobalamin) (LC/MS)	0.246 mg/serving	NLT 0.125 mg/serving
		Test Note: Test Performed At CG Burbank. Test Method: MQLTM-1209 By LCMS.	
AFL11	Aflatoxin (LC-MS/MS)	Completed	
		Test Note: Total Aflatoxins (G1,G2,B1,B2): Not detected, <20 ppb	
NC	Aflatoxin LC/MS B1	Not detected, <5ppb	
NC	Aflatoxin LC/MS B2	Not detected, <5ppb	
NC	Aflatoxin LC/MS G1	Not detected, <5ppb	
NC	Aflatoxin LC/MS G2	Not detected, <5ppb	
HMS35	Heavy Metal Screen 4 - ICPMS: As, Cd, Hg, Pb	Complete	
NC	Arsenic (As) ICP-MS	0.402 ppm	Report Only
NC	Cadmium (Cd) ICP-MS	0.034 ppm	Report Only

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NC	Lead (Pb) ICP-MS	0.067 ppm	Report Only
NC	Mercury (Hg) ICP-MS	0.006 ppm	Report Only

Sample Note: Serving Size Provided By Client: 2 capsules (Total Fill Weight = 1528 mg)

Sample Temperature Upon Receipt : 25.0 deg C

Remarks : Revised COA - Boron, Manganese, Zinc, and Selenium Specifications Updated Per Client Request
3/26/2025 5:33 PM CR

Certified Group - Tustin is accredited to the ISO/IEC 17025:2017 standard and specializes in the testing of botanical ingredients, dietary supplements, and foods. Certified Group - Tustin is not an FDA drug registered facility, therefore any data or results provided by Certified Group - Tustin are not intended to fulfill any requirements under the drug cGMPs dictated in 21 CFR Parts 210 and 211.

For Questions or Comments Contact :
Customer Experience Team
714-259-0384 or
customerexperience_tustin@certifiedgroup.com

All results contained in the above report relate only to the items tested. All samples received in satisfactory condition unless noted otherwise. *The indicated information has been provided by the client to Certified Group - Tustin.

Approved By : Katerina Baldwin, Laboratory Directory

Signature : 