



# VERIFIER LAB

**Sample Quantity Needed:** We require 4oz of dry product or 4fl oz (if liquid) minimum

## Core Ingredient Testing

Test Name	Instrument	Method
Creatine monohydrate	HPLC	Chromatography Journal Method
Quercetin	HPLC	Internal or equivalent
CoQ10 (Ubiquinone)	HPLC	Internal or equivalent
Vitamin C (Ascorbic Acid)	HPLC	USP or Internal
Vitamin D3 (Cholecalciferol)	HPLC	USP or Internal
Vitamin B12 (Cyanobalamin)	HPLC	USP or Internal
Vitamin B7 (Biotin)	HPLC	USP or Internal
Vitamin B1 (Thiamine Hydrochloride)	HPLC	USP or Internal
Vitamin B1 (Thiamine Mononitrate)	HPLC	USP or Internal
Vitamin B2 (Riboflavin)	HPLC	USP or Internal
Vitamin B3 (Niacinamide)	HPLC	USP or Internal
Vitamin B5 (Calcium Pantothenate)	HPLC	USP or Internal
Vitamin B6 (Pyridoxine Hydrochloride)	HPLC	USP or Internal
Vitamin B9 (Folic Acid)	HPLC	USP or Internal
Vitamin C (Ascorbic Acid)	HPLC	USP or Internal
Vitamin A (Beta-Carotene)	HPLC	USP or Internal
Vitamin A (Retinyl Palmitate)	HPLC	USP or Internal
Vitamin D3 (Cholecalciferol)	HPLC	USP or Internal
Vitamin E (D-Alpha Tocopherol)	HPLC	USP or Internal
Vitamin K1 (Phylloquinone)	HPLC	USP or Internal
Vitamin K2 (Menaquinone-4)	HPLC	USP or Internal



# VERIFIER LAB

Vitamin K2 (Menaquinone-7)	HPLC	USP or Internal
----------------------------	------	-----------------

HPLC = High Performance Liquid Chromatography

<b>Allergen Testing</b>		
<b>Test Name</b>	<b>Instrument</b>	<b>Method</b>
Egg	HPLC	ELISA or equivalent
Fish	HPLC	ELISA or equivalent
Gluten	HPLC	ELISA or equivalent
Milk	HPLC	ELISA or equivalent
Peanut	HPLC	ELISA or equivalent
Shellfish	HPLC	ELISA or equivalent
Soy	HPLC	ELISA or equivalent
Tree Nuts (Specify)	HPLC	ELISA or equivalent
Sesame	HPLC	ELISA or equivalent

HPLC = High Performance Liquid Chromatography

<b>Toxins and Pesticides</b>		
<b>Test Name</b>	<b>Instrument</b>	<b>Method</b>
Pesticides Screening Method	LC-MS/MS	D-3235
Mycotoxins	LC-MS/MS	AOAC 2007.01 & EN 15662 (mod)
Pyrrrolizidine alkaloids	LC-MS/MS	N/A
Disintegration*	N/A	USP

\*24 capsules/tablets required as a minimum for disintegration/rupture testing

LC-MS = Liquid Chromatography/Mass Spectrometry



# VERIFIER LAB

<b>Microbiology Testing</b>			
<b>Qty.</b>	<b>Test Name</b>	<b>Instrument</b>	<b>Method</b>
1	Aerobic Plate Count	Microbiology	USP 61
1	Yeast and Mold Count	Microbiology	USP 61
1	4 Pathogens • E.coli • Salmonella • Staphylococcus Aureus • Pseudomonas	Microbiology	USP 62

<b>Individual Metals</b>		
<b>Test Name*</b>	<b>Instrument</b>	<b>Method</b>
Heavy Metals: Arsenic	ICP-MS	D-3232 or equivalent
Heavy Metals: Cadmium	ICP-MS	D-3232 or equivalent
Heavy Metals: Mercury	ICP-MS	D-3232 or equivalent
Heavy Metals: Lead	ICP-MS	D-3232 or equivalent
Minerals: Sodium	ICP-MS	D-3232 or equivalent
Minerals: Aluminum	ICP-MS	D-3232 or equivalent
Minerals: Phosphorus	ICP-MS	D-3232 or equivalent
Minerals: Magnesium	ICP-MS	D-3232 or equivalent
Minerals: Calcium	ICP-MS	D-3232 or equivalent
Minerals: Potassium	ICP-MS	D-3232 or equivalent
Minerals: Iron	ICP-MS	D-3232 or equivalent
Minerals: Zinc	ICP-MS	D-3232 or equivalent
Minerals: Copper	ICP-MS	D-3232 or equivalent
Minerals: Manganese	ICP-MS	D-3232 or equivalent



# VERIFIER LAB

Minerals: Selenium	ICP-MS	D-3232 or equivalent
Minerals: Molybdenum	ICP-MS	D-3232 or equivalent
Minerals: Chromium	ICP-MS	D-3232 or equivalent

ICP-MS = Inductively Coupled Plasma Mass Spectrometry

Average turnaround time: Chemical Tests = 5 – 7 Business Days | Microbiological Tests = 3 – 7 Business Days