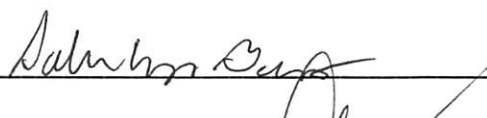


Certificate of Analysis

Product Name	Valerian Root Extract		
Latin Name	Valeriana officinalis	Part Used	Root
Bulk Supplements Lot #	2416708	Serving Size	1000 mg
Manufacture Date	08-15-2024		
Expiration Date	08-31-2027		
Item	Specifications	Method	Results
Description	Brown to light brown fine powder	Organoleptic	Brown fine powder
Odor	Strong pungent odor		Strong pungent odor
	NLT 90%	FT-IR	95.6%
Loss on drying	NMT 8.0%	Moisture Balance	2.60%
Heavy Metals			
Arsenic	NMT 2.0 mcg per serving	ICP-MS	0.13 mcg per serving
Cadmium	NMT 1.0 mcg per serving		0.04 mcg per serving
Lead	NMT 0.5 mcg per serving		<0.01 mcg per serving
Mercury	NMT 0.5 mcg per serving		0.05 mcg per serving
ND: Not Detected. Concentration is below the limit of detection.			
<LOQ: Concentration is below the limit of quantitation.			
Microbiological			
Total Plate Count	NMT 10,000 cfu/g	Petrifilm	<10 cfu/g
Yeast and Mold	NMT 1,000 cfu/g		<10 cfu/g
Total Coliform	NMT 100 cfu/g		<10 cfu/g
E. coli	Absent in 10 g		Absent in 10 g
Salmonella	Absent in 10 g	Compact Dry	Absent in 10 g

Store in tight, light-resistant containers. Avoid exposure to direct sunlight, moisture, and excessive heat.

Prepared by: 

Date: 8-21-2024

Quality Reviewed & Approved by: 

Date: 8-21-2024