

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Report Date	8/14/2024	Country of Origin	Solomon Islands
Sample Number	S2165	Country of Processing	USA
Product Name	Chief Basal Root	Manufacture Date	Jun-24
Lot Number	SIK2406-CBR8	Best By Date	Jun-27

ITEM	SPECIFICATION	TEST RESULTS	METHOD
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PHYSICAL & CHEMICAL

Identification	Piper methysticum	Complies	HPLC
Appearance	Beige to Yellow Powder	Complies	Organoleptic
Kavalactone Standard	2-17 % Kavalactones	5.64%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	245631	HPLC
K/DHM	> 1.2 for Noble	1.1	Calculation

HEAVY METALS

		Results	
Arsenic (As)	NMT 1,000 (ppb)*	< 10 ppb	FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)*	513 ppb	FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)*	98 ppb	FDA EAM 4.7
Mercury (Hg)	NMT 1,000 (ppb)*	< 10 ppb	FDA EAM 4.7

*Heavy Metals Action Limits Based on Maximum PDE at 5% Kavalactones. Results May Exceed 1,000 ppb action limit with higher kavalactone contents.

MICROBIOLOGICAL

		Results	
AEROBIC PLATE COUNT	NMT 10,000,000 cfu	4,400 cfu / 10 g	USP 2021
E. COLI	ABSENT (cfu/10g)	Absent cfu / 10 g	USP 2022
PSEUDOMONAS AERUGINOSA	ABSENT (cfu/10g)	Absent cfu / 10 g	USP 2022
SALMONELLA	ABSENT (cfu/10g)	Absent cfu / 10 g	USP 2022
STAPHYLOCOCCUS AUREUS	ABSENT (cfu/10g)	Absent cfu / 10 g	USP 2022
YEAST		4,400 cfu / 10 g	
MOLD	NMT 100,000 cfu (Combined)	1,700 cfu / 10 g	USP 2021
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	6,100 cfu / 10 g	

cfu/g = Colony Forming Units Per Gram NMT = No More Than PDE = Permitted Daily Exposure PPB = Parts Per Billion

Analysis Performed by a Third-Party Laboratory

We are dedicated to offer the best quality of botanical products on the market. We test and stand behind our products.

Disclaimer * The test results are accurate to the best of our knowledge and are based upon reputable laboratory and industry standard testing methods.

These results should not be used as a final determination for use in a finished product. It is recommended that you verify these test results with an in-house quality control department or obtain an additional independent third-party lab to verify that this material meets specifications.

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Completed By: Tuyy Salah Title: Manager Date: 8/14/2024