

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

| | | | |
|---------------|------------|-----------------------|-----------------|
| Report Date | 8/9/2024 | Country of Origin | Solomon Islands |
| Sample Number | S2166 | Country of Processing | USA |
| Product Name | Chief | Manufacture Date | Jun-24 |
| Lot Number | SIK2406-C8 | Best By Date | Jun-27 |

| ITEM | SPECIFICATION | TEST RESULTS | METHOD |
|------|---------------|--------------|--------|
|------|---------------|--------------|--------|

PHYSICAL & CHEMICAL

| | | | |
|----------------------|--------------------------------------|----------|--------------|
| Identification | Piper methysticum | Complies | HPLC |
| Appearance | Beige to Yellow Powder | Complies | Organoleptic |
| Kavalactone Standard | 2-17 % Kavalactones | 9.52% | HPLC |
| Kavalactone Profile | Noble | Pass | HPLC |
| Chemotype | If # 5 is in 1st or 2nd in Abundance | 245631 | HPLC |
| K/DHM | > 1.2 for Noble | 1.4 | Calculation |

HEAVY METALS

| | | Results | |
|--------------|------------------|----------|-------------|
| Arsenic (As) | NMT 1,000 (ppb)* | < 10 ppb | FDA EAM 4.7 |
| Cadmium (Cd) | NMT 1,000 (ppb)* | 660 ppb | FDA EAM 4.7 |
| Lead (Pb) | NMT 1,000 (ppb)* | 105 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 | 4,700 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 | NMT 100,000 cfu (Combined) | 4,700 cfu / 10 g | |
| MOLD | | 4,000 cfu / 10 g | USP 2021 |
| TOTAL YEAST & MOLD | NMT 100,000 cfu (Combined) | 8,700 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: Tony Saly Title: Manager Date: 8/14/2024