PROVERDE LABORATORIES

Certificate of Analysis

Certificate ID: **132176** Received: **5/21/25**

Client Sample ID: **MIT Therapy White Kali**

Lot Number: **Z1TT0410CC**

Matrix: **Kratom Powder-Ground Plant Material**

Scan QR Code for authenticity

Mit Therapy
2623 S. Fry Street
Boise, ID 83709

Authorization:	Signature:	Date:
Andrew Aubin, Lab Director		6/4/2025

PJLA Testing
Accreditation
80585

The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

KR: Kratom Alkaloids [WI-10-44]

Analyst: AJA *Test Date: 5/22/2025*

The client sample was analyzed for plant-based alkaloids by Liquid Chromatography (LC) with PDA detection. The collected data was compared to data collected for certified reference standard at a known concentrations. The presence or absence of all listed compounds were confirmed via UV spectral matching.

132176-KR

Compound	CAS	Weight %	Concentration (mg/g)
Mitragynine	4098-40-2	2.22	22.2
Speciociliatine	14382-79-7	1.71	17.1
Paynantheine	4697-66-9	0.701	7.01
Speciogynine	4697-67-0	0.646	6.46
7-Hydroxy Mitragynine	174418-82-7	ND	ND
	Total	5.28	52.8

ND – Not Detected at a level greater than the reporting limit (RL).

HM: Heavy Metal Analysis [WI-10-13] *Analyst: ZDV* *Test Date: 6/4/2025*

This sample was analyzed by elemental analysis using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for the identification of heavy metal constituents. External calibration curves for heavy metals were used for quantitation, with an additional internal reference standard. Resulting data was compared with a sample blank. This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

132176-HM

Symbol	Metal	Conc.[1] (µg/kg)	RL	Use Limits [2] (µg/kg)	Status
As	Arsenic	305	50.0	2,000	PASS
Cd	Cadmium	ND	50.0	820	PASS
Hg	Mercury	ND	50.0	400	PASS
Ni	Nickel	2,670	50.0	20,000	PASS
Pb	Lead	385	50.0	1,200	PASS

1) ND = None detected above the indicated Reporting Limit (RL)
2) Testing limits established by the Utah Agriculture and Food, Regulatory Services (R70), Kratom Product Registration and Labeling (R70-580), Authority and Purpose (R70-580-1) - Pursuant to Section 4-45-107, this rule establishes the requirements for labeling and registration of products made from and containing kratom. Nickel specification according to oral drug products per USP.

MB1: Microbiological Contaminants [WI-10-09] *Analyst: SRD* *Test Date: 5/22/2025*

This sample was analyzed for microbiological contaminants using an automated Most Probable Number (MPN) methodology with cultured enrichments. This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

132176-MB1

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	=100	CFU/g	10,000,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	10,000 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	10,000 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	100,000 CFU/g	PASS

Recommended microbial limits for botanical ingredients from American Herbal Products Association (AHPA). Note: All recorded Microbiological tests are within the established limits.

MB2: Pathogenic Bacterial Contaminants [WI-10-10] *Analyst: AEH* *Test Date: 5/23/2025*

This sample was analyzed for pathogenic bacteria using an automated Enzyme Linked Fluorescent Assay (ELFA). This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety. Quality control checks are performed monthly by running both a positive and a negative control sample for each pathogen. Reports may not be reproduced except in their entirety.

132176-MB2

Test ID	Analysis	Results	Units	Limits*	Status
132176-ECPT	E. coli (O157)	Negative	NA	Non Detected	PASS
132176-SPT	Salmonella	Negative	NA	Non Detected	PASS

Note: All recorded pathogenic bacteria tests passed.

END OF REPORT