

PharmLabs San Diego Certificate of Analysis



Sampled: Received Jan 17, 2025
Analytes executed: RES, MIBIG, MICX, HME, KTM, SDR
Unit Mass (g): 4.462
Reported: Jan 24, 2025
Num. of Servings: 10
Serving Size (g): 0.65

KTM - Kratom Analysis

Analyzed Jan 17, 2025 | Instrument HPLC VWD | Method SOP-KTM
The expanded Uncertainty of the analysis is approximately ±7.81% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
7-Hydroxy Mitragynine (7HMG)	0.008	0.025	3.02	30.23	19.65	195.55
Mitragynine (MITG)	0.018	0.054	ND	ND	ND	ND
Speciogynine (SPEG)	0.007	0.02	ND	ND	ND	ND
Specioclorine (SPCL)	0.004	0.011	ND	ND	ND	ND

HME - Heavy Metals Analysis

Analyzed Jan 20, 2025 | Instrument ICP/MSMS | Method SOP-005

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0009	0.0027	0.03	15
Cadmium (Cd)	0.0005	0.0015	ND	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	0.02	0.5

MIBIG - Microbial Analysis

Analyzed Jan 21, 2025 | Instrument qPCR and/or Plating | Method SOP-007

Analyte	LOD	LOQ	Result CFU/g	Limit	Analyte	LOD	LOQ	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli	ND	ND	ND	ND per 1 gram	Salmonella spp.	ND	ND	ND	ND per 1 gram
Aspergillus fumigatus	ND	ND	ND	ND per 1 gram	Aspergillus flavus	ND	ND	ND	ND per 1 gram
Aspergillus niger	ND	ND	ND	ND per 1 gram	Aspergillus terreus	ND	ND	ND	ND per 1 gram

RES - Residual Solvents Analysis

Analyzed Jan 20, 2025 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.08	0.4	ND	5000	Butane (But)	0.08	0.4	ND	5000
Methanol (Metho)	0.03	0.4	248.2	3000	Ethylene Oxide (EthOx)	0.08	0.4	ND	1
Pentane (Pent)	0.08	0.4	ND	5000	Ethanol (Ethanol)	0.08	0.4	<LOQ	5000
Ethyl Ether (EthEt)	0.06	0.4	43.6	5000	Acetone (Acet)	0.06	0.4	64.1	5000
Isopropylalcohol (2-Pro)	0.08	0.4	<LOQ	5000	2-Ethoxyethanol (Celvol)	0.08	0.4	<LOQ	100
Methylene Chloride (MetCh)	0.08	0.4	ND	1	Hexane (Hex)	0.08	0.4	ND	290
Ethyl Acetate (EthAc)	0.08	0.4	176.3	5000	Chloroform (Clo)	0.08	0.4	ND	1
Benzene (Ben)	0.08	0.4	ND	1	1,2-Dichloroethane (1,2-Dich)	0.08	0.4	ND	1
Heptane (Hept)	0.08	0.4	<LOQ	5000	Trichloroethylene (TriChlEth)	0.08	0.4	ND	1
Toluene (Toluene)	0.08	0.4	ND	890	Xylenes (Xyl)	0.08	0.4	ND	2170

MICx - Microbial X Analysis

Analyzed Jan 21, 2025 | Instrument Plating | Method SOP-007

Analyte	LOD CFU/G	LOQ CFU/G	Result CFU/G
Total Yeast & Molds (TYM)	ND	ND	ND
Listeria (LIS)	ND	ND	ND
Gram Negative Bacteria (BTGN)	ND	ND	ND
Total Viable Aerobic Bacteria (TVAB)	ND	ND	ND

U: Unidentified
ND: Not Detected
N/A: Not Applicable
NT: Not Reported
LOD: Limit of Detection
LOQ: Limit of Quantification
<LOQ: Detected
WLOD: Above upper limit of linearity
CFU/g: Colony Forming Units per 1 gram
TNTC: Too Numerous to Count



DCC license: C8-0000098-LIC
DEA license: RPO611043
ISO/IEC 17025:2017 Acc. 85368

Authorized Signature

Brandon Starr

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Fri, 24 Jan 2025 08:58:25 -0800

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