FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Certificate of Analysis

KetaMIND

Client: UFORIA

Sample Name:
KetaMIND

Matrix:
Other

Serving Mass:
0.615 g per serving

Sample ID:
70050925-1

Date Received:
9/25/25

Approved By:
Marie True, M.S.
Laboratory Manager

Analysis Summary

	mg/serving
Mitragynine	ND
7-OH Mitragynine	ND
Paynantheine	ND
Speciogynine	ND
Speciociliatine	ND
Corynantheidine	ND
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	ND
*13-OH Corydalis Yanhusuo	45.35
*Rhizoma Trutschaninovii (Hbr)	94.25
Total Quantified Alkaloids	139.60

Analysis Overview

Residual Solvents & Processing Chemicals	Pass

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References: limit of quantitation (LOQ), not detected (ND), not tested (NT)

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Certificate of Analysis

Kratom Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)	Mass (mg/serving)
Mitragynine	0.016	0.049	ND	ND	ND
7-OH Mitragynine	0.019	0.058	ND	ND	ND
Paynantheine	0.022	0.066	ND	ND	ND
Speciogynine	0.019	0.056	ND	ND	ND
Speciociliatine	0.018	0.054	ND	ND	ND
Corynantheidine	0.024	0.073	ND	ND	ND
Mitraphylline	0.017	0.052	ND	ND	ND
9-O-desmethyl Mitragynine	0.017	0.050	ND	ND	ND
Corynoxine B	0.022	0.066	ND	ND	ND
Ajmalicine	0.024	0.071	ND	ND	ND
Isomitraphylline	0.019	0.057	ND	ND	ND
Mitraciliatine	0.020	0.060	ND	ND	ND
***13-OH Corydalis Yanhusuo**	**N/A**	**N/A**	**7.375**	**73.75**	**45.35**
***Rhizoma Trutschaninovii (Hbr)**	**N/A**	**N/A**	**15.325**	**153.25**	**94.25**
Total Quantified Alkaloids			**22.700**	**227.00**	**139.60**

Residual Solvents Analysis

Pass

Analyte	LOQ (mg/g)	Limit (mg/g)	Mass (mg/g)	Status
Acetone	0.100	5.000	ND	Pass
Acetonitrile	0.100	0.410	ND	Pass
Benzene	0.001	0.002	ND	Pass
Butane	0.100	N/A	ND	N/A
Chloroform	0.001	0.060	ND	Pass
1,2-Dichloroethane	0.001	0.005	ND	Pass
Ethanol	0.100	5.000	ND	Pass
Ethyl Acetate	0.100	5.000	ND	Pass
Ethyl Ether	0.100	5.000	ND	Pass
Ethylene Oxide	0.001	0.010	ND	Pass
Heptane	0.100	5.000	ND	Pass
n-Hexane	0.100	0.290	ND	Pass
Isopropanol	0.100	5.000	ND	Pass
Methanol	0.100	3.000	ND	Pass
Methylene Chloride	0.001	0.600	ND	Pass
Pentane	0.100	5.000	ND	Pass
Propane	0.100	N/A	ND	N/A
Toluene	0.100	0.890	ND	Pass
Trichloroethylene	0.001	0.080	ND	Pass
Xylenes	0.100	2.170	ND	Pass

Method References:

HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.

HPLC SOP 230-RDSQA - *13-OH Corydalis Yanhusuo was semi-qualitatively analyzed using NMR, HPLC, LC-MS verified potential 13-OH THP (sample ID: 65450729-a), without a CRM.

Residual Solvents Analysis - 20 compounds (USP_467)

USP current revision, Chapter 62.
United States Pharmacopeia, 38nd Rev. - National Formulary 33th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015) (modified).