

Certificate of Analysis

Wapples

Client: NBHD Manufacturing



Sample Name:

Wapples

Matrix:

NA

Unit Mass:

1.72g per unit

Sample ID:

81260320-3KAV

Testing ID:

81260320-3KAV

Date Received:

3/16/2026

Analysis Summary

	%	mg/serving
Methysticin	ND	ND
Kavain + Dihydromethysticin (Combined)	ND	ND
Dihydrokavain	ND	ND
Desmethoxyangonin	ND	ND
Yanگونin	ND	ND
Flavokawain C	ND	ND
Flavokawain A	ND	ND
Flavokawain B	ND	ND
Total Tested Kavalactones	0.00	0.00
Mitragynine	4.99	85.84
7-OH Mitragynine	ND	ND
Paynantheine	0.85	14.59
Speciogynine	0.71	12.26
Speciociliatine	1.24	21.31
Corynantheidine	ND	ND
Mitraphylline	ND	ND
9-O-desmethyl Mitragynine	ND	ND
Corynoxine B	ND	ND
Ajmalicine	ND	ND
Isomitraphylline	ND	ND
Mitraciliatine	0.11	1.97
*13-OH-THP Corydalis Yanhusuo	3.39	58.24
THP	ND	ND
Caffeine	4.61	79.32
MGM-15	ND	ND
Total Tested Alkaloids	15.90	273.53

Marie

Approved By:

Marie True, M.S.

Laboratory Manager

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

Certificate of Analysis

Analysis

Complete

Test	LOD (ppm)	LOQ (ppm)	Mass (%)	mg/serving
Methysticin	1.041	3.12	ND	ND
Kavain + Dihydemethysticin (Combined)	1.041	3.12	ND	ND
Dihydrokavain	1.041	3.12	ND	ND
Desmethoxyyangonin	1.041	3.12	ND	ND
Yangonin	1.041	3.12	ND	ND
Flavokawain C	1.041	3.12	ND	ND
Flavokawain A	1.041	3.12	ND	ND
Flavokawain B	1.041	3.12	ND	ND
Mitragynine	0.016	0.049	4.991	85.84
7-OH Mitragynine	0.019	0.06	ND	ND
Paynantheine	0.022	0.07	0.848	14.59
Speciogynine	0.019	0.06	0.713	12.26
Speciociliatine	0.018	0.05	1.239	21.31
Corynantheidine	0.024	0.07	ND	ND
Mitraphylline	0.017	0.05	ND	ND
9-O-desmethyl Mitragynine	0.017	0.050	ND	ND
Corynoxine B	0.022	0.07	ND	ND
Ajmalicine	0.024	0.07	ND	ND
Isomitraphylline	0.019	0.06	ND	ND
Mitraciliatine	0.020	0.060	0.115	1.97
Mitragynine pseudoindoxyl	0.019	0.06	ND	ND
*13-OH-THP Corydalis Yanhusuo	N/A	N/A	3.386	58.24
THP	0.018	0.05	ND	ND
Caffeine	0.020	0.060	4.612	79.32
MGM-15	0.011	0.03	ND	ND
Total Tested Alkaloids			15.90	273.53

0 "zero" = ND = Nondetect = Less than LOQ (Limit of Quantitation)

Method References:

HPLCUVKAV01 - High Pressure Liquid Chromatography with UV Detection for Kava Alkaloids

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.