

Certificate of Analysis

Cherry Bombs

Client: NBHD Manufacturing



Sample Name:

Cherry Bombs

Matrix:

NA

Unit Mass:

1.86g per unit

Sample ID:

81260320-1KAV

Testing ID:

81260320-1KAV

Date Received:

3/16/2026

Analysis Summary

	%	mg/serving
Methysticin	1.33	24.74
Kavain + Dihydromethysticin (Combined)	1.65	30.67
Dihydrokavain	2.94	54.65
Desmethoxyyangonin	0.69	12.84
Yangonin	0.97	18.03
Flavokawain C	ND	ND
Flavokawain A	0.09	1.74
Flavokawain B	0.21	3.86
Total Tested Kavalactones	7.88	146.53
Mitragynine	5.46	101.60
7-OH Mitragynine	ND	ND
Paynantheine	0.96	17.88
Speciogynine	0.81	15.01
Speciociliatine	1.39	25.83
Corynantheidine	ND	ND
Mitraphylline	ND	ND
9-O-desmethyl Mitragynine	ND	ND
Corynoxine B	ND	ND
Ajmalicine	ND	ND
Isomitraphylline	ND	ND
Mitraciliatine	0.13	2.36
*13-OH-THP Corydalis Yanhusuo	3.12	58.05
THP	ND	ND
Caffeine	ND	ND
MGM-15	ND	ND
Total Tested Alkaloids	19.75	367.26

Marie

Approved By:

Marie True, M.S.

Laboratory Manager

This certificate of analysis is responsible for the tested sample only and is for research use only. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of FESA Labs. FESA Labs shall not be liable for any damage that may result from the data contained herein in any way. FESA Labs makes no claim to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. If there are any questions with this report please email info@fesalabs.com. This certificate of analysis is intended only for the use of the party to whom it is addressed and may contain information that is confidential or protected from disclosure under applicable law. If you have received this document in error, please immediately contact us.

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	1.330	24.74
Kavain + Dihydemethysticin (Combined)	1.041	3.12	1.649	30.67
Dihydrokavain	1.041	3.12	2.938	54.65
Desmethoxyyangonin	1.041	3.12	0.691	12.84
Yangonin	1.041	3.12	0.970	18.03
Flavokawain C	1.041	3.12	ND	ND
Flavokawain A	1.041	3.12	0.093	1.74
Flavokawain B	1.041	3.12	0.207	3.86
Mitragynine	0.016	0.049	5.462	101.60
7-OH Mitragynine	0.019	0.06	ND	ND
Paynantheine	0.022	0.07	0.961	17.88
Speciogynine	0.019	0.06	0.807	15.01
Speciociliatine	0.018	0.05	1.389	25.83
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	0.127	2.36
Mitragynine pseudoindoxyl	0.019	0.06	ND	ND
*13-OH-THP Corydalis Yanhusuo	N/A	N/A	3.121	58.05
THP	0.018	0.05	ND	ND
Caffeine	0.020	0.060	ND	ND
MGM-15	0.011	0.03	ND	ND
Total Tested Alkaloids			19.75	367.26

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.