

# Certificate of Analysis

## Razzle Dazzle

Client: NBHD Manufacturing



### Analysis Summary

	%	mg/serving
Methysticin	1.30	23.10
Kavain + Dihydromethysticin (Combined)	1.62	28.80
Dihydrokavain	2.95	52.43
Desmethoxyyangonin	0.72	12.75
Yangonin	0.97	17.31
Flavokawain C	ND	ND
Flavokawain A	0.08	1.49
Flavokawain B	0.19	3.38
<b>Total Tested Kavalactones</b>	<b>7.82</b>	<b>139.25</b>
Mitragynine	5.56	98.88
7-OH Mitragynine	ND	ND
Paynantheine	0.96	17.13
Speciogynine	0.82	14.59
Speciociliatine	1.41	25.10
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	2.33
*13-OH-THP Corydalis Yanhusuo	3.08	54.83
THP	ND	ND
Caffeine	ND	ND
MGM-15	ND	ND
<b>Total Tested Alkaloids</b>	<b>19.78</b>	<b>352.11</b>

**Sample Name:**

Razzle Dazzle

**Matrix:**

NA

**Unit Mass:**

1.78g per unit

**Sample ID:**

81260320-2KAV

**Testing ID:**

81260320-2KAV

**Date Received:**

3/16/2026

*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	1.298	23.10
Kavain + Dihydemethysticin (Combined)	1.041	3.12	1.618	28.80
Dihydrokavain	1.041	3.12	2.946	52.43
Desmethoxyyangonin	1.041	3.12	0.716	12.75
Yangonin	1.041	3.12	0.972	17.31
Flavokawain C	1.041	3.12	ND	ND
Flavokawain A	1.041	3.12	0.083	1.49
Flavokawain B	1.041	3.12	0.190	3.38
Mitragynine	0.016	0.049	5.555	98.88
7-OH Mitragynine	0.019	0.06	ND	ND
Paynantheine	0.022	0.07	0.962	17.13
Speciogynine	0.019	0.06	0.819	14.59
Speciociliatine	0.018	0.05	1.410	25.10
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	0.131	2.33
Mitragynine pseudoindoxyl	0.019	0.06	ND	ND
*13-OH-THP Corydalis Yanhusuo	N/A	N/A	3.080	54.83
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			19.78	352.11

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.