FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Certificate of Analysis

Mit - OH 150mg Blue Razz

Client: Real Botanicals



Analysis Summary	mg/serving
Mitragynine	112.431
7-OH Mitragynine	ND
Paynantheine	4.484
Speciogynine	7.378
Speciociliatine	ND
Corynantheidine	ND
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	ND
Mitragynine pseudoindoxyl	ND
MGM-15	ND
*13-OH Corydalis Yanhusuo	28.09
Tetrahydropalmatine (THP)	ND
Total Quantified Alkaloids	152.38

Sample Name:
Mit - OH 150mg Blue Razz

Matrix:
Other

Serving Mass:
0.553 g per serving

Sample ID:
92160831-1

Date Received:
8/31/26

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

Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)	Mass (mg/serving)
Mitragynine	**0.016**	**0.049**	**16.172**	**161.72**	**112.43**
7-OH Mitragynine	0.019	0.058	ND	ND	ND
Paynantheine	**0.022**	**0.066**	**0.811**	**8.11**	**4.48**
Speciogynine	**0.019**	**0.056**	**1.334**	**13.34**	**7.38**
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
Mitragynine pseudoindoxyl	0.033	0.098	ND	ND	ND
MGM-15	0.011	0.03	ND	ND	ND
***13-OH Corydalis Yanhusuo**	**N/A**	**N/A**	**5.079**	**50.79**	**28.09**
Tetrahydropalmatine	0.018	0.059	ND	ND	ND
Total Quantified Alkaloids			**23.396**	**233.96**	**152.38**

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.