Certificate of Analysis

R&D
Report

MIT-OH 150mg Blue Razz

Client: Real Botanicals



Analysis Summary	Percent (%)	mg/serving
Mitragynine	22.714	117.340
7-OH Mitragynine	ND	ND
Paynantheine	2.881	14.883
Speciogynine	1.913	9.884
Speciociliatine	0.643	3.321
Corynantheidine	ND	ND
Mitraphylline	ND	ND
9-O-desmethyl Mitragynine	ND	ND
Corynoxine B	ND	ND
Ajmalicine	ND	ND
Isomitraphylline	ND	ND
Mitraciliatine	ND	ND
Mitragynine pseudoindoxyl	ND	ND
MGM-15	ND	ND
MGM-16	ND	ND
7-Acetoxymitragynine	ND	ND
*13-OH Corydalis Yanhusuo	5.850	30.221
Tetrahydropalmatine (THP)	ND	ND
Paraxanthine	16.883	87.218
Total Quantified Alkaloids	34.001	175.649

Sample Name:
MIT-OH 150mg

Matrix:
Other

Serving Mass:
0.5166 g per serving

Sample ID:
81561020-1

Date Received:
10/20/26

Marie

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

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

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Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Percent (%)	mg/serving
Mitragynine	**0.016**	**0.049**	**22.714**	**117.34**
7-OH Mitragynine	0.019	0.058	ND	ND
Paynantheine	**0.022**	**0.066**	**2.881**	**14.88**
Speciogynine	**0.019**	**0.056**	**1.913**	**9.88**
Speciociliatine	**0.018**	**0.054**	**0.643**	**3.32**
Corynantheidine	0.024	0.073	ND	ND
Mitraphylline	0.017	0.052	ND	ND
9-O-desmethyl Mitragynine	0.017	0.050	ND	ND
Corynoxine B	0.022	0.066	ND	ND
Ajmalicine	0.024	0.071	ND	ND
Isomitraphylline	0.019	0.057	ND	ND
Mitraciliatine	0.020	0.060	ND	ND
Mitragynine pseudoindoxyl	0.033	0.098	ND	ND
MGM-15	0.011	0.03	ND	ND
MGM-16	0.012	0.04	ND	ND
7-Acetoxymitragynine	0.029	0.087	ND	ND
***13-OH Corydalis Yanhusuo**	**N/A**	**N/A**	**5.850**	**30.22**
Tetrahydropalmatine	0.018	0.059	ND	ND
Paraxanthine	**0.095**	**0.290**	**16.883**	**87.22**
Total Quantified Alkaloids			**34.001**	**175.65**

Method References:

HPLC SOP K5317L - 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.