

## Certificate of Analysis

# Blueberry Lemon

Client: Alternative Ventures



| Analysis Summary              | Percent (%) | mg/serving |
|-------------------------------|-------------|------------|
| Mitragynine                   | 16.72       | 121.03     |
| 7-OH Mitragynine              | ND          | ND         |
| Paynantheine                  | 1.97        | 14.28      |
| Speciogynine                  | 1.34        | 9.68       |
| Speciociliatine               | 0.23        | 1.64       |
| Corynantheidine               | 0.20        | 1.43       |
| 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 (CAS No. 1158901-38-2) | ND          | ND         |
| Total Quantified Alkaloids    | 20.46       | 148.07     |

**Sample Name:**  
Blueberry Lemon

**Matrix:**  
Other

**Unit Mass:**  
0.7237 g per unit

**Sample ID:**  
76260728-3E

**Date Received:**  
7/28/26

*Marie*

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

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

## Certificate of Analysis

### Kratom Alkaloid Analysis

Complete

| Analyte                    | LOD (%) | LOQ (%) | Percent (%) | mg/serving |
|----------------------------|---------|---------|-------------|------------|
| Mitragynine                | 0.016   | 0.049   | 16.723      | 121.03     |
| 7-OH Mitragynine           | 0.019   | 0.058   | ND          | ND         |
| Paynantheine               | 0.022   | 0.066   | 1.974       | 14.28      |
| Speciogynine               | 0.019   | 0.056   | 1.338       | 9.68       |
| Speciociliatine            | 0.018   | 0.054   | 0.227       | 1.64       |
| Corynantheidine            | 0.024   | 0.073   | 0.198       | 1.43       |
| 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         |
| Total Quantified Alkaloids |         |         | 20.460      | 148.07     |

#### Method References:

HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.