

HIGH NORTH ID:  
00002311  
Date: 2020-03-17



241 Hanlan Rd, Unit 7  
Woodbridge, ON, L4L 3R7  
1-416-864-6119

Client: Mother Labs

Strain: Lemon Margy #4  
Lot: SAM2003-003  
Matrix: Flower  
Sampled:  
Received: 2020-03-06

## Certificate of Analysis

<b>Cannabinoid Analysis</b>	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			21.514	215.137
Total CBD [(CBDA x 0.877) + CBD]				
THCA-A	0.0090	0.05	23.232	232.317
D9-THC	0.0093	0.05	1.140	11.395
CBGA	0.0041	0.05	0.737	7.371
THCVA	0.0052	0.05	0.288	2.876
CBCA	0.0044	0.05	0.209	2.086
CBG	0.0094	0.05	0.142	1.416
CBC	0.0060	0.05	0.075	0.755
CBNA	0.0062	0.05	BLQ	BLQ
THCV	0.0093	0.05	BLQ	BLQ
D8-THC	0.0137	0.05	ND	ND
CBL	0.0101	0.05	ND	ND
CBN	0.0067	0.05	ND	ND
CBDA	0.0100	0.05	ND	ND
CBDV	0.0090	0.05	ND	ND
CBDVA	0.0072	0.05	ND	ND
CBD	0.0069	0.05	ND	ND

Abbreviations: wt% = percentage of dry weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit

Authorized by:

  
Bernie Mangiola  
Laboratory Manager

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## Details of Testing

### **Cannabinoid Analysis**

Analysis of 16 cannabinoids by HPLC

HIGH NORTH Laboratories Method: LAB-MTD-001 and LAB-MTD-002

### **Terpene Analysis**

Profiling for 43 terpenes by GC-MS/MS

HIGH NORTH Laboratories Method: LAB-MTD-018

### **Moisture Analysis**

Loss on drying

HIGH NORTH Laboratories Method: LAB-MTD-017

### **Microbial Analysis**

Molecular detection and quantitation by qPCR

HIGH NORTH Laboratories Method: MIC-MTD-001

### **Mycotoxin Analysis**

Determination of Aflatoxins B1, B2, G1, G2 and Ochratoxin A by LC-MS/MS

HIGH NORTH Laboratories Method: LAB-MTD-010

### **Heavy Metal Analysis**

Determination of Heavy Metal contamination (Arsenic, Cadmium, Lead & Mercury) by ICP-MS

HIGH NORTH Laboratories Method: LAB-MTD-019

### **Residual Solvents Analysis**

Determination of 24 Residual Solvents by GC-MS/MS

HIGH NORTH Laboratories Method: LAB-MTD-005

### **Pesticide Analysis**

Determination of 96 Pesticide Residues by LC-MS/MS and GC-MS/MS

HIGH NORTH Laboratories Method: LAB-MTD-010

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