

Client: Mother Labs
#115 343 70th STREET,
SASKATOON, SK, CANADA,
Saskatoon, SK, S7P0E3

Name: [REDACTED]


Strain: Lemon Margy #6
Lot: SAM2006-035
Matrix: Flower
Sampled: 2020-06-22
Received: 2020-06-23

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			22.389	223.883
Total CBD [(CBDA x 0.877) + CBD]			0.081	0.808
THCA-A	0.0090	0.03	23.847	238.465
D9-THC	0.0093	0.03	1.475	14.749
CBGA	0.0041	0.03	1.084	10.845
CBG	0.0094	0.03	0.167	1.672
CBDA	0.0100	0.03	0.092	0.921
THCV	0.0093	0.03	BLQ	BLQ
D8-THC	0.0137	0.03	ND	ND
CBC	0.0060	0.03	ND	ND
CBN	0.0067	0.03	ND	ND
CBD	0.0069	0.03	ND	ND
CBDV	0.0090	0.03	ND	ND

Terpene Analysis	LOD (%)	LOQ (%)	wt%
Terpinolene	0.0001	0.01	0.807
Ocimene (mixture of (R)-(+)-Limonene	0.0001	0.01	0.276
beta-Myrcene	0.0001	0.01	0.272
Farnesene-2	0.0001	0.01	0.173
beta-Pinene	0.0001	0.01	0.161
alpha-Pinene	0.0001	0.01	0.158
Terpineol (mix of isomers)	0.0001	0.01	0.128
(R)-Endo-(+)-Fenchyl	0.0001	0.01	0.098
Trans-Caryophyllene	0.0001	0.01	0.083
alpha-Phellandrene	0.0001	0.01	0.071
alpha-Terpinene	0.0001	0.01	0.057
	0.0001	0.01	0.051

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

Terpene Analysis	LOD (%)	LOQ (%)	wt%
Linalool	0.0001	0.01	0.049
(1S)-3-Carene	0.0001	0.01	0.049
Isoborneol	0.0001	0.01	0.039
gamma-Terpinene	0.0001	0.01	0.036
Sabinene	0.0001	0.01	0.034
alpha-Bisabolol	0.0001	0.01	0.033
Camphene	0.0001	0.01	0.03
alpha-Humulene	0.0001	0.01	0.029
trans-Nerolidol	0.0001	0.01	0.027
Fenchone (mix of isomers)	0.0001	0.01	0.02
Eucalyptol	0.0001	0.01	0.016
Caryophyllene oxide	0.0001	0.01	ND
(+)-Cedrol	0.0001	0.01	ND
cis-Nerolidol	0.0001	0.01	ND
Guaiol	0.0001	0.01	ND
Valencene	0.0001	0.01	ND
Farnesene-1	0.0001	0.01	ND
alpha-Cedrene	0.0001	0.01	ND
Nerol	0.0001	0.01	ND
Geraniol	0.0001	0.01	ND
Pulegone	0.0001	0.01	ND
Geraniol acetate	0.0001	0.01	ND
Hexahydrothymol	0.0001	0.01	ND
Borneol (isomers)	0.0001	0.01	ND
gamma-Terpineol	0.0001	0.01	ND
Isopulegol	0.0001	0.01	ND
Camphor (mix of isomers)	0.0001	0.01	ND
Sabinene Hydrate	0.0001	0.01	ND
trans-beta-Ocimene	0.0001	0.01	ND

Total of all quantified terpenes: **2.697**

Moisture Analysis 10.5769%

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Details of Testing

Cannabinoid Analysis

Analysis of 11 cannabinoids by HPLC. LOQ is 0.3% for resins and isolates.
HIGH NORTH Laboratories Method: LAB-MTD-020

Terpene Analysis

Profiling for 41 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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