

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

Name: [REDACTED]


Strain: Lilacs #13
Lot: SAM2006-038
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]			21.351	213.505
Total CBD [(CBDA x 0.877) + CBD]			0.056	0.564
THCA-A	0.0090	0.03	23.279	232.788
CBGA	0.0041	0.03	1.535	15.354
D9-THC	0.0093	0.03	0.935	9.35
CBG	0.0094	0.03	0.186	1.859
CBDA	0.0100	0.03	0.064	0.643
D8-THC	0.0137	0.03	ND	ND
CBC	0.0060	0.03	ND	ND
CBN	0.0067	0.03	ND	ND
THCV	0.0093	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	2.046
Ocimene (mixture of beta-Myrcene	0.0001	0.01	0.551
(R)-(+)-Limonene	0.0001	0.01	0.442
Trans-Caryophyllene	0.0001	0.01	0.257
beta-Pinene	0.0001	0.01	0.194
alpha-Pinene	0.0001	0.01	0.175
alpha-Phellandrene	0.0001	0.01	0.126
Farnesene-2	0.0001	0.01	0.111
alpha-Terpinene	0.0001	0.01	0.098
Terpineol (mix of isomers)	0.0001	0.01	0.087
(1S)-3-Carene	0.0001	0.01	0.079
			0.078

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%
gamma-Terpinene	0.0001	0.01	0.052
Isoborneol	0.0001	0.01	0.048
alpha-Bisabolol	0.0001	0.01	0.047
(R)-Endo-(+)-Fenchyl	0.0001	0.01	0.043
alpha-Humulene	0.0001	0.01	0.041
Sabinene	0.0001	0.01	0.036
Linalool	0.0001	0.01	0.033
Camphene	0.0001	0.01	0.023
Fenchone (mix of isomers)	0.0001	0.01	0.02
Eucalyptol	0.0001	0.01	0.018
Caryophyllene oxide	0.0001	0.01	0.015
(+)-Cedrol	0.0001	0.01	ND
cis-Nerolidol	0.0001	0.01	ND
trans-Nerolidol	0.0001	0.01	ND
Guaiol	0.0001	0.01	ND
Valencene	0.0001	0.01	ND
alpha-Cedrene	0.0001	0.01	ND
Farnesene-1	0.0001	0.01	ND
Geraniol acetate	0.0001	0.01	ND
Pulegone	0.0001	0.01	ND
Geraniol	0.0001	0.01	ND
gamma-Terpineol	0.0001	0.01	ND
Nerol	0.0001	0.01	ND
Camphor (mix of isomers)	0.0001	0.01	ND
Hexahydrothymol	0.0001	0.01	ND
Borneol (isomers)	0.0001	0.01	ND
Isopulegol	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: 4.620

Moisture Analysis 12.5313%

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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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