


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

Strain: Cherry Punch #4
Lot: SAM2006-001
Matrix: Flower
Sampled: 2020-06-04
Received: 2020-06-05

Name: 

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			20.374	203.732
Total CBD [(CBDA x 0.877) + CBD]			0.075	0.745
THCA-A	0.0090	0.03	22.985	229.845
CBGA	0.0041	0.03	1.044	10.44
D9-THC	0.0093	0.03	0.216	2.158
CBG	0.0094	0.03	0.138	1.382
CBDA	0.0100	0.03	0.085	0.85
CBC	0.0060	0.03	ND	ND
D8-THC	0.0137	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%
Trans-Caryophyllene	0.0001	0.01	0.896
(R)-(+)-Limonene	0.0001	0.01	0.789
beta-Myrcene	0.0001	0.01	0.367
alpha-Humulene	0.0001	0.01	0.188
Farnesene-2	0.0001	0.01	0.159
beta-Pinene	0.0001	0.01	0.144
Terpineol (mix of isomers)	0.0001	0.01	0.105
alpha-Pinene	0.0001	0.01	0.086
Ocimene (mixture of	0.0001	0.01	0.081
alpha-Bisabolol	0.0001	0.01	0.069
(R)-Endo-(+)-Fenchyl	0.0001	0.01	0.064
Linalool	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%
Camphene	0.0001	0.01	0.027
Terpinolene	0.0001	0.01	0.022
gamma-Terpinene	0.0001	0.01	0.019
Caryophyllene oxide	0.0001	0.01	0.017
Fenchone (mix of isomers)	0.0001	0.01	0.016
Borneol (isomers)	0.0001	0.01	BLQ
trans-Nerolidol	0.0001	0.01	BLQ
(+)-Cedrol	0.0001	0.01	ND
Valencene	0.0001	0.01	ND
cis-Nerolidol	0.0001	0.01	ND
Guaiol	0.0001	0.01	ND
alpha-Cedrene	0.0001	0.01	ND
Geraniol	0.0001	0.01	ND
Pulegone	0.0001	0.01	ND
Geraniol acetate	0.0001	0.01	ND
Farnesene-1	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
Isoborneol	0.0001	0.01	ND
Hexahydrothymol	0.0001	0.01	ND
Isopulegol	0.0001	0.01	ND
Sabinene Hydrate	0.0001	0.01	ND
Eucalyptol	0.0001	0.01	ND
(1S)-3-Carene	0.0001	0.01	ND
alpha-Terpinene	0.0001	0.01	ND
trans-beta-Ocimene	0.0001	0.01	ND
alpha-Phellandrene	0.0001	0.01	ND
Sabinene	0.0001	0.01	ND

Total of all quantified terpenes: **3.100**

Moisture Analysis 13.1455%

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

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

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