

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

Strain: Black Cherry Punch #2
Lot: SAM2006-004
Matrix: Flower
Sampled: 2020-06-04
Received: 2020-06-05

Name: [REDACTED]

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			26.776	267.754
Total CBD [(CBDA x 0.877) + CBD]			0.094	0.939
THCA-A	0.0090	0.03	30.252	302.518
CBGA	0.0041	0.03	1.297	12.967
D9-THC	0.0093	0.03	0.245	2.446
CBG	0.0094	0.03	0.114	1.14
CBDA	0.0100	0.03	0.107	1.071
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%
Farnesene-2	0.0001	0.01	0.908
(R)-(+)-Limonene	0.0001	0.01	0.659
beta-Myrcene	0.0001	0.01	0.423
Trans-Caryophyllene	0.0001	0.01	0.333
Linalool	0.0001	0.01	0.219
beta-Pinene	0.0001	0.01	0.115
alpha-Humulene	0.0001	0.01	0.094
alpha-Bisabolol	0.0001	0.01	0.085
Guaiol	0.0001	0.01	0.073
Terpineol (mix of isomers)	0.0001	0.01	0.073
alpha-Pinene	0.0001	0.01	0.058
(R)-Endo-(+)-Fenchyl	0.0001	0.01	0.053

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	0.026
Terpinolene	0.0001	0.01	0.021
gamma-Terpinene	0.0001	0.01	0.019
Fenchone (mix of isomers)	0.0001	0.01	0.011
Caryophyllene oxide	0.0001	0.01	BLQ
Borneol (isomers)	0.0001	0.01	BLQ
trans-Nerolidol	0.0001	0.01	BLQ
Ocimene (mixture of (+)-Cedrol	0.0001	0.01	BLQ
cis-Nerolidol	0.0001	0.01	ND
Valencene	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
alpha-Cedrene	0.0001	0.01	ND
gamma-Terpineol	0.0001	0.01	ND
Nerol	0.0001	0.01	ND
Geraniol	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
Eucalyptol	0.0001	0.01	ND
Sabinene Hydrate	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
(1S)-3-Carene	0.0001	0.01	ND
Sabinene	0.0001	0.01	ND

Total of all quantified terpenes: **3.170**

Moisture Analysis 11.5053%

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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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