

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

Name: [REDACTED]


Strain: White Oreoz
Lot: SAM2012-189
Matrix: Flower
Sampled: 2020-12-18
Received: 2020-12-21

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			17.125	171.247
Total CBD [(CBDA x 0.877) + CBD]			0.064	0.638
THCA-A	0.0090	0.03	19.242	192.419
CBGA	0.0041	0.03	0.491	4.913
D9-THC	0.0093	0.03	0.25	2.496
CBDA	0.0100	0.03	0.073	0.728
CBC	0.0060	0.03	0.065	0.652
CBG	0.0094	0.03	0.051	0.508
D8-THC	0.0137	0.03	ND	ND
THCV	0.0093	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%
Trans-Caryophyllene	0.0001	0.01	0.763
(R)-(+)-Limonene	0.0001	0.01	0.312
alpha-Humulene	0.0001	0.01	0.261
beta-Myrcene	0.0001	0.01	0.164
Linalool	0.0001	0.01	0.102
alpha-Bisabolol	0.0001	0.01	0.074
Ocimene (mixture of	0.0001	0.01	0.063
Terpineol (mix of isomers)	0.0001	0.01	0.058
(R)-Endo-(+)-Fenchyl	0.0001	0.01	0.049
beta-Pinene	0.0001	0.01	0.047
alpha-Pinene	0.0001	0.01	0.031
Phytol	0.0001	0.06	BLQ


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	0.014
Caryophyllene oxide	0.0001	0.01	ND
(+)-Cedrol	0.0001	0.01	ND
trans-Nerolidol	0.0001	0.01	ND
Guaiol	0.0001	0.01	ND
Valencene	0.0001	0.01	ND
cis-Nerolidol	0.0001	0.01	ND
Farnesene-2	0.0001	0.01	ND
alpha-Cedrene	0.0001	0.01	ND
Geraniol acetate	0.0001	0.01	ND
Farnesene-1	0.0001	0.01	ND
Nerol	0.0001	0.01	ND
Geraniol	0.0001	0.01	ND
Pulegone	0.0001	0.01	ND
gamma-Terpineol	0.0001	0.01	ND
Hexahydrothymol	0.0001	0.01	ND
Borneol (isomers)	0.0001	0.01	ND
Camphor (mix of isomers)	0.0001	0.01	ND
Isoborneol	0.0001	0.01	ND
Isopulegol	0.0001	0.01	ND
Fenchone (mix of isomers)	0.0001	0.01	ND
gamma-Terpinene	0.0001	0.01	ND
Terpinolene	0.0001	0.01	ND
Sabinene Hydrate	0.0001	0.01	ND
Eucalyptol	0.0001	0.01	ND
trans-beta-Ocimene	0.0001	0.01	ND
(1S)-3-Carene	0.0001	0.01	ND
alpha-Terpinene	0.0001	0.01	ND
alpha-Phellandrene	0.0001	0.01	ND
Sabinene	0.0001	0.01	ND
Total of all quantified terpenes:			1.938

Moisture Analysis 10.13%

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Details of Testing

Cannabinoid Analysis

Analysis of 11 cannabinoids by HPLC & UHPLC
LOQ is 0.3% for resins/distillates/isolates, 0.03% for flower/oil samples
HIGH NORTH Laboratories Method: LAB-MTD-020 & LAB-MTD-023

Terpene Analysis

Profiling for 42 terpenes by GC-MS/MS
HIGH NORTH Laboratories Method: LAB-MTD-018

Moisture Analysis

Water Activity & Moisture Content
HIGH NORTH Laboratories Method: LAB-MTD-031

Microbial Analysis, Powdery Mildew & Gender Determination

Molecular detection and quantitation by qPCR
HIGH NORTH Laboratories Method: MIC-MTD-001 & MIC-MTD-005

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-027

Residual Solvents Analysis

Determination of 24 Residual Solvents in Cannabis Oil and Tablets by GC-MS/MS
HIGH NORTH Laboratories Method: LAB-MTD-005 & LAB-MTD-028

Pesticide Analysis

Determination of 96 Pesticide Residues by LC-MS/MS and GC-MS/MS
HIGH NORTH Laboratories Method: LAB-MTD-010

Foreign Matter Analysis

Visual/Magnified Detection of Foreign Matter
HIGH NORTH Laboratories Method: LAB-MTD-022

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