

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

Strain: Slurricane-PR
Lot: SAM2006-041
Matrix: Flower
Sampled: 2020-06-22
Received: 2020-06-23


Name: [REDACTED]

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			22.074	220.745
Total CBD [(CBDA x 0.877) + CBD]			0.075	0.752
THCA-A	0.0090	0.03	24.395	243.948
CBGA	0.0041	0.03	0.896	8.957
D9-THC	0.0093	0.03	0.68	6.803
CBG	0.0094	0.03	0.206	2.065
CBDA	0.0100	0.03	0.086	0.858
CBN	0.0067	0.03	BLQ	BLQ
CBC	0.0060	0.03	ND	ND
D8-THC	0.0137	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%
(R)-(+)-Limonene	0.0001	0.01	0.617
Farnesene-2	0.0001	0.01	0.319
beta-Myrcene	0.0001	0.01	0.268
Linalool	0.0001	0.01	0.248
Trans-Caryophyllene	0.0001	0.01	0.246
beta-Pinene	0.0001	0.01	0.115
(R)-Endo-(+)-Fenchyl	0.0001	0.01	0.092
Terpineol (mix of isomers)	0.0001	0.01	0.078
alpha-Pinene	0.0001	0.01	0.076
alpha-Humulene	0.0001	0.01	0.063
Camphene	0.0001	0.01	0.036
trans-Nerolidol	0.0001	0.01	0.032


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%
Ocimene (mixture of	0.0001	0.01	0.024
Fenchone (mix of isomers)	0.0001	0.01	0.023
Borneol (isomers)	0.0001	0.01	0.022
Terpinolene	0.0001	0.01	0.018
Caryophyllene oxide	0.0001	0.01	0.013
(+)-Cedrol	0.0001	0.01	ND
alpha-Bisabolol	0.0001	0.01	ND
cis-Nerolidol	0.0001	0.01	ND
Guaiol	0.0001	0.01	ND
Valencene	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
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
Isopulegol	0.0001	0.01	ND
Camphor (mix of isomers)	0.0001	0.01	ND
Isoborneol	0.0001	0.01	ND
Sabinene Hydrate	0.0001	0.01	ND
Eucalyptol	0.0001	0.01	ND
gamma-Terpinene	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
Sabinene	0.0001	0.01	ND
alpha-Phellandrene	0.0001	0.01	ND
Total of all quantified terpenes:			2.290

Moisture Analysis 11.816%

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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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