

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

Name: [REDACTED]

Strain: Sour OG Cheese #3  
Lot: SAM2006-036  
Matrix: Flower  
Sampled: 2020-06-22  
Received: 2020-06-23

## Certificate of Analysis

<b>Cannabinoid Analysis</b>	LOD (%)	LOQ (%)	wt%	mg/g
<b>Total THC [(THCA x 0.877) + D9-THC]</b>			<b>25.409</b>	<b>254.1</b>
Total CBD [(CBDA x 0.877) + CBD]			0.073	0.731
THCA-A	0.0090	0.03	28.307	283.073
CBGA	0.0041	0.03	1.438	14.375
D9-THC	0.0093	0.03	0.584	5.845
CBG	0.0094	0.03	0.143	1.431
CBDA	0.0100	0.03	0.083	0.834
CBN	0.0067	0.03	BLQ	BLQ
THCV	0.0093	0.03	BLQ	BLQ
D8-THC	0.0137	0.03	ND	ND
CBC	0.0060	0.03	ND	ND
CBD	0.0069	0.03	ND	ND
CBDV	0.0090	0.03	ND	ND

<b>Terpene Analysis</b>	LOD (%)	LOQ (%)	wt%
(R)-(+)-Limonene	0.0001	0.01	0.704
Farnesene-2	0.0001	0.01	0.435
Trans-Caryophyllene	0.0001	0.01	0.379
beta-Myrcene	0.0001	0.01	0.284
Linalool	0.0001	0.01	0.177
alpha-Humulene	0.0001	0.01	0.121
beta-Pinene	0.0001	0.01	0.109
Guaiol	0.0001	0.01	0.1
(R)-Endo-(+)-Fenchyl	0.0001	0.01	0.094
Terpineol (mix of isomers)	0.0001	0.01	0.092
alpha-Pinene	0.0001	0.01	0.079
alpha-Bisabolol	0.0001	0.01	0.069

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

<b>Terpene Analysis</b>	LOD (%)	LOQ (%)	wt%
Camphene	0.0001	0.01	0.036
trans-Nerolidol	0.0001	0.01	0.033
Borneol (isomers)	0.0001	0.01	0.022
Fenchone (mix of isomers)	0.0001	0.01	0.021
Terpinolene	0.0001	0.01	0.019
Caryophyllene oxide	0.0001	0.01	ND
(+)-Cedrol	0.0001	0.01	ND
Valencene	0.0001	0.01	ND
cis-Nerolidol	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
Geraniol	0.0001	0.01	ND
Pulegone	0.0001	0.01	ND
Nerol	0.0001	0.01	ND
gamma-Terpineol	0.0001	0.01	ND
Hexahydrothymol	0.0001	0.01	ND
Isoborneol	0.0001	0.01	ND
Isopulegol	0.0001	0.01	ND
Camphor (mix of isomers)	0.0001	0.01	ND
Sabinene Hydrate	0.0001	0.01	ND
gamma-Terpinene	0.0001	0.01	ND
Eucalyptol	0.0001	0.01	ND
Ocimene (mixture of	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:** **2.774**

**Moisture Analysis** 10.8738%

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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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