

HIGH NORTH ID:
00039187
Date: 2021-04-06
Serial #: 1617722813



241 Hanlan Rd, Unit 7
Woodbridge, ON, L4L 3R7
1-416-864-6119

Strain: CAT23 - Strawberry Guava
Lot: 20CAT2301
Matrix: Flower
Sub-matrix: Dried Flower
Sampled: 2021-03-22
Received: 2021-03-30

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			24.844	248.438
Total CBD [(CBDA x 0.877) + CBD]			0.088	0.878
THCA-A	0.0090	0.03	28.159	281.588
CBGA	0.0041	0.03	1.938	19.382
CBG	0.0094	0.03	0.264	2.643
D9-THC	0.0093	0.03	0.148	1.485
CBDA	0.0100	0.03	0.1	1.001
D8-THC	0.0137	0.03	ND	ND
CBC	0.0060	0.03	ND	ND
CBN	0.0067	0.03	ND	ND
CBD	0.0069	0.03	ND	ND
THCV	0.0093	0.03	ND	ND
CBDV	0.0090	0.03	ND	ND
Total of all quantified cannabinoids:			30.610	306.099

Terpene Analysis	LOD (%)	LOQ (%)	wt%
(R)-(+)-Limonene	0.0001	0.01	0.583
Trans-Caryophyllene	0.0001	0.01	0.357
beta-Myrcene	0.0001	0.01	0.218
Linalool	0.0001	0.01	0.193
Farnesene-2	0.0001	0.01	0.143
Guaiol	0.0001	0.01	0.083
alpha-Humulene	0.0001	0.01	0.08
beta-Pinene	0.0001	0.01	0.061
alpha-Bisabolol	0.0001	0.01	0.059
Terpineol (mix of isomers)	0.0001	0.01	0.056
alpha-Pinene	0.0001	0.01	0.044

Abbreviations: wt% = percentage of 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:


Krishna Pandya
QA Associate

Terpene Analysis	LOD (%)	LOQ (%)	wt%
(R)-Endo-(+)-Fenchyl	0.0001	0.01	0.035
Phytol	0.0001	0.06	BLQ
Terpinolene	0.0001	0.01	0.021
Valencene	0.0001	0.01	0.012
Camphene	0.0001	0.01	0.011
trans-Nerolidol	0.0001	0.01	0.01
Caryophyllene oxide	0.0001	0.01	BLQ
Fenchone (mix of isomers)	0.0001	0.01	BLQ
(+)-Cedrol	0.0001	0.01	ND
cis-Nerolidol	0.0001	0.01	ND
Eugenol	0.0001	0.01	ND
alpha-Cedrene	0.0001	0.01	ND
Pulegone	0.0001	0.01	ND
Geraniol acetate	0.0001	0.01	ND
Citronellol	0.0001	0.01	ND
Nerol	0.0001	0.01	ND
Geraniol	0.0001	0.01	ND
gamma-Terpineol	0.0001	0.01	ND
Isoborneol	0.0001	0.01	ND
Camphor (mix of isomers)	0.0001	0.01	ND
Isopulegol	0.0001	0.01	ND
Hexahydrothymol	0.0001	0.01	ND
gamma-Terpene	0.0001	0.01	ND
Sabinene Hydrate	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
p-Isopropyltoluene (p-	0.0001	0.01	ND
alpha-Terpene	0.0001	0.01	ND
(1S)-3-Carene	0.0001	0.01	ND
alpha-Phellandrene	0.0001	0.01	ND
Sabinene	0.0001	0.01	ND
Total of all quantified terpenes:			1.966

Moisture Analysis 6.04%

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 Krishna Pandya
 QA Associate

Details of Testing

Cannabinoid Analysis

Analysis of 11 Cannabinoids by HPLC & UHPLC

LOQ of 0.3% for Resins/Distillates/Isolates; 0.025% for Tablets; 0.03% for Flower/Oil Samples

HIGH NORTH Laboratories Methods: LAB-MTD-020, LAB-MTD-021, LAB-MTD-023 & LAB-MTD-030

Terpene Analysis

Profile of 42 Terpenes by GC-MS/MS

Cannabis Flower, Oil

HIGH NORTH Laboratories Method: LAB-MTD-018

Moisture Analysis

Water Activity & Moisture Content (Loss on Drying)

HIGH NORTH Laboratories Method: LAB-MTD-031 & LAB-MTD-017

Microbial Analysis, Powdery Mildew & Gender Determination

Molecular detection and quantitation by PCR & qPCR

Cannabis Flower, Cannabis-Infused Products

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

Cannabis Flower, Oil, Tablets

HIGH NORTH Laboratories Method: LAB-MTD-010, LAB-MTD-029

Heavy Metal Analysis

Determination of Heavy Metal contamination (Arsenic, Cadmium, Lead & Mercury) by ICP-MS

Cannabis Flower, Oil, Topicals, Tablets

HIGH NORTH Laboratories Method: LAB-MTD-027

Residual Solvents Analysis

Determination of 25 Residual Solvents by GC-MS/MS

Cannabis Oil, Tablets

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

Cannabis Flower, Oil

HIGH NORTH Laboratories Method: LAB-MTD-010

Determination of Butane and Propane Residual Solvents in Cannabis Oil

HIGH NORTH Laboratories Method: LAB-MTD-034

Foreign Matter Analysis

Visual/Magnified Inspection for Foreign Matter

HIGH NORTH Laboratories Method: LAB-MTD-022

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