

HIGH NORTH ID:
00039186
Date: 2021-04-06
Serial #: 1617722589



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

Client: Segra International Corp.
Unit 6, 30 Braid Street,
New Westminster, BC, V3L 3P3

Strain: CAT03 - Kandy Kush
Lot: 20CAT0301
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]			26.907	269.07
Total CBD [(CBDA x 0.877) + CBD]			0.100	1.002
THCA-A	0.0090	0.03	30.355	303.546
CBGA	0.0041	0.03	1.614	16.139
D9-THC	0.0093	0.03	0.286	2.86
CBG	0.0094	0.03	0.183	1.833
CBDA	0.0100	0.03	0.114	1.142
CBC	0.0060	0.03	ND	ND
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
Total of all quantified cannabinoids:			32.552	325.520

Terpene Analysis	LOD (%)	LOQ (%)	wt%
(R)-(+)-Limonene	0.0001	0.01	0.762
Trans-Caryophyllene	0.0001	0.01	0.586
beta-Myrcene	0.0001	0.01	0.502
Farnesene-2	0.0001	0.01	0.349
alpha-Humulene	0.0001	0.01	0.142
Linalool	0.0001	0.01	0.106
beta-Pinene	0.0001	0.01	0.106
Terpineol (mix of isomers)	0.0001	0.01	0.105
Ocimene (mixture of	0.0001	0.01	0.096
alpha-Pinene	0.0001	0.01	0.09
alpha-Bisabolol	0.0001	0.01	0.074

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	0.074
Valencene	0.0001	0.01	0.04
Caryophyllene oxide	0.0001	0.01	0.026
Terpinolene	0.0001	0.01	0.023
Camphene	0.0001	0.01	0.018
Fenchone (mix of isomers)	0.0001	0.01	BLQ
Phytol	0.0001	0.06	ND
(+)-Cedrol	0.0001	0.01	ND
trans-Nerolidol	0.0001	0.01	ND
Guaiol	0.0001	0.01	ND
cis-Nerolidol	0.0001	0.01	ND
Eugenol	0.0001	0.01	ND
Geraniol acetate	0.0001	0.01	ND
alpha-Cedrene	0.0001	0.01	ND
Geraniol	0.0001	0.01	ND
Pulegone	0.0001	0.01	ND
Citronellol	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
Camphor (mix of isomers)	0.0001	0.01	ND
Isopulegol	0.0001	0.01	ND
gamma-Terpinene	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
p-Isopropyltoluene (p-	0.0001	0.01	ND
alpha-Terpinene	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:			3.099

Moisture Analysis 8.99%

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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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