

HIGH NORTH ID:
00039190
Date: 2021-04-06
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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:	Coastal Sage
Name:	Kane Cusack 236-818-2942 kane.cusack@segra-intl.com	Lot:	20OGS1-B01
		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]			23.933	239.333
Total CBD [(CBDA x 0.877) + CBD]			0.112	1.123
THCA-A	0.0090	0.03	27.019	270.191
CBGA	0.0041	0.03	2.725	27.251
D9-THC	0.0093	0.03	0.238	2.375
CBG	0.0094	0.03	0.162	1.621
CBDA	0.0100	0.03	0.128	1.28
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:			30.272	302.718

Terpene Analysis	LOD (%)	LOQ (%)	wt%
Terpinolene	0.0001	0.01	0.837
Trans-Caryophyllene	0.0001	0.01	0.49
Farnesene-2	0.0001	0.01	0.303
beta-Myrcene	0.0001	0.01	0.227
Ocimene (mixture of (R)-(+)-Limonene	0.0001	0.01	0.182
alpha-Bisabolol	0.0001	0.01	0.116
beta-Pinene	0.0001	0.01	0.102
alpha-Humulene	0.0001	0.01	0.1
alpha-Pinene	0.0001	0.01	0.078
alpha-Phellandrene	0.0001	0.01	0.055

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%
Terpineol (mix of isomers)	0.0001	0.01	0.052
(1S)-3-Carene	0.0001	0.01	0.044
alpha-Terpinene	0.0001	0.01	0.037
(R)-Endo-(+)-Fenchyl	0.0001	0.01	0.023
Phytol	0.0001	0.06	BLQ
gamma-Terpinene	0.0001	0.01	0.021
Sabinene	0.0001	0.01	0.017
Valencene	0.0001	0.01	0.012
Linalool	0.0001	0.01	0.011
trans-Nerolidol	0.0001	0.01	BLQ
Sabinene Hydrate	0.0001	0.01	BLQ
Caryophyllene oxide	0.0001	0.01	BLQ
Camphene	0.0001	0.01	BLQ
Fenchone (mix of isomers)	0.0001	0.01	BLQ
(+)-Cedrol	0.0001	0.01	ND
Guaiol	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
p-Isopropyltoluene (p-	0.0001	0.01	ND
Eucalyptol	0.0001	0.01	ND
trans-beta-Ocimene	0.0001	0.01	ND
Total of all quantified terpenes:			2.851

Moisture Analysis 9.77%

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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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