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Details of testing

1. *LOQ- Limit of quantification*
2. *% w/w: percent (weight of analyte/ weight of product)*
3. *Results only apply to the items tested and to the sample(s) as received.*
4. *This report may not be distributed or reproduced except in full*

This COA can be verified by scanning the QR code

********** **This is end of the Certificate of Analysis** **********

Certificate of Analysis

CALA Testing Accreditation No. A4106

[redacted]

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Valens Labs, c/o Valens Agritech
230 Carion Rd
Kelowna British Columbia
Canada
V4V 2K5

Lab Sample ID	CAN-22112409-03	**Date Received**	2022-11-24
Client SID	B-20220610-76-0-Y/1082 3120 2445 7826(Canada)	**Date Published**	2022-12-02
Sample Type	Dried Flower - Cannabis		

Methods Summary

Cannabinoid Profile L-040	L-040-00 Separation and Quantification of 14 Cannabinoids in Cannabis Products by HLPC-DAD. In house method developed using solvent extraction and analysis with HPLC-DAD. Total Potential THC= THC + 0.877*THCA, Total Potential CBD= CBD + 0.877*CBDA
Terpenes	L-002-05 Analysis of Terpenes in Cannabis by GC-MS/MS. In house method using solvent extraction and analysis with GC-MS/MS. Total terpenes = sum of all terpenes.
Loss on Drying	L-021-00 In-house method using a Mettler Toledo HE53 Halogen Moisture Analyzer.

Glossary of Terms

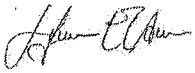
ND : Not Detected
LOQ : Limit of Quantification
LOD : Limit of Detection
ppm : parts per million (micrograms per kilogram for dry weight basis)
* LOD and LOQ under review
‡ Indicates result out of specification

Results

Cannabinoid Profile - Date Analyzed 2022-12-01		mg/g
Analyte	LOQ	Results
Total Potential CBD	N/A	0.51
Total Potential THC	N/A	239.22
Tetrahydrocannabinolic Acid (THCA)	0.50	267.31
Delta9-Tetrahydrocannabinol (delta9THC)	0.50	4.79
Cannabigerolic Acid (CBGA)	0.50	3.87
Tetrahydrocannabidivarinic Acid (THCVA)	0.50	1.45
Cannabigerol (CBG)	0.50	1.25
Cannabichromene (CBC)	0.50	0.74
Cannabidiolic Acid (CBDA)	0.50	0.58
Cannabicyclol (CBL)	0.50	<LOQ
Cannabidiol (CBD)	0.50	<LOQ
Cannabidivarin (CBDV)	0.50	<LOQ
Cannabidivarinic Acid (CBDVA)	0.50	<LOQ
Cannabinol (CBN)	0.50	<LOQ
Delta8-Tetrahydrocannabinol (delta8THC)	0.50	<LOQ
Tetrahydrocannabidivarin (THCV)	0.50	<LOQ

Terpenes - Date Analyzed 2022-11-29		mg/g
Analyte	LOQ	Results
Total Terpenes	N/A	10.64
Limonene	0.50	2.97
beta-Caryophyllene	0.10	2.81
Myrcene	0.10	1.85
alpha-Humulene	0.10	1.14
Nerolidol (cis)	0.50	0.59
beta-Pinene	0.10	0.53
(-)-alpha-Bisabolol	0.25	0.52
alpha-Pinene	0.10	0.23
(-)-Isopulegol	0.25	<LOQ
alpha-Ocimene	0.50	<LOQ
alpha-Terpinene	0.50	<LOQ
Camphene	0.25	<LOQ
Caryophyllene Oxide	0.50	<LOQ
delta-3-Carene	0.25	<LOQ
Eucalyptol	0.25	<LOQ
gamma-Terpinene	0.25	<LOQ
Geraniol	0.50	<LOQ
Guaiol	0.25	<LOQ
Linalool	0.25	<LOQ
Nerolidol (trans)	0.50	<LOQ
Ocimene	0.50	<LOQ
p-Cymene	0.10	<LOQ

Responsibilities:



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Published By:

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Terpenes - Date Analyzed 2022-11-29		mg/g
Analyte	LOQ	Results
Terpinolene	0.25	<LOQ

Loss on Drying - Date Analyzed 2022-11-25	%
Analyte	Results
Loss on Drying	10.70