



KCA Laboratories 232 North Plaza Drive

+1-833-KCA-LABS https://kcalabs.com KDA Lic.# P_0058 Nicholasville, KY 40356

Certificate of Analysis

1 of 1

THCAISO.122123.1

Sample ID: SA-231222 Batch: Type: In-Process Material

Received: 12/22/2023 Completed: 12/28/2023



Summary

Cannabinoids

Moisture Content

Date Tested 12/28/2023

Status Tested

0.197 % 98.4 % Δ9-THC Δ9-THCA

99.8 % Total Cannabinoids

Not Tested

Not Tested

Foreign Matter

Internal Standard Normalization

Cannabinoids by HPLC-PDA and/or GC-MS/MS

A	LOD	LOQ	Result	Result		SA-231222-32169	
Analyte	(36)	(%)	(%)	(mg/g)	mAU		
CBC	0.0095	0.0284	ND	ND	7//)		5 0
CBCA	0.0181	0.0543	ND	ND	1000-		
CBCV	0.006	0.078	ND	ND			
CBD	0.0081	0.0242	ND	ND			. ()
CBDA	0.0043	0.013	ND	ND			
CBDV	0.0061	0.0182	ND	ND	750-		
CBDVA	0.0021	0.0063	ND	ND			1 2
CBG	0.0057	0.0172	ND	ND			1 1 1 .
CBGA	0.0049	0.0147	0.232	2.32			
¢BL.	0.0112	0.0335	ND	ND	500-		
CBLA	0.0124	0.0371	ND	ND			
CBN	0.0056	0.0169	ND	ND			
CBNA	0.006	0.0181	0.231	2.31		C 7	
CBT	0.018	0.054	ND	ND	250-		
Δ8-THC	0.0104	0.0312	ND	ND			
Δ9-THC	0.0076	0.0227	0.197	1.97		5 0	
Δ9-THCA	0.0084	0.0251	98.4	984	- 8	ONA GETTIC	
Δ9-THCV	0,0089	0.0206	ND	ND	0		
Δ9-THCVA	0.0062	0.0186	0.771	7.71	7,5	5.0 7.5	10.0
Total Δ9-THC	O		86.5	865		3.3	min
Total			99.8	998			

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; A = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA / 0.877 + CBD;

Generated By: Ryan Bellone

Tested By: Nicholas Howard Scientist





Date: 12/28/2023 Date: 12/28/2023 This product or substance has been fested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025/2017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of RCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request.



Certificate of Analysis

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Sample: 04-28-2023-32948

Sample Received:04/28/2023; Report Created: 05/01/2023; Expires: 04/30/2024

OG Kush 20230424-OG Plant, Flower - Cured



24.846 %

Total THC's

0.176%

 Δ -9 THC

29.712%

Total Cannabinoids

29.712

297.116

<LOQ% **Total CBD**

Complete

Cannabinoids

(Testing Method: HPLC, CON-P-3000)

Date Tested:

Analyte	ethod:HPLC, CON-P-3000)							Y	
Δ-8-Tetrahydrocannabinol (Δ-8 THC) 0.0481 0.0721 ND ND Δ-9-Tetrahydrocannabinol (Δ-9 THC) 0.0481 0.0721 0.176 1.760 Δ-9-Tetrahydrocannabinolic Acid (THCA-A) 0.0481 0.0721 28.130 281.298 Δ-9-Tetrahydrocannabiporol (Δ-9-THCV) 0.0481 0.0721 ND ND Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) 0.0481 0.0721 ND ND Λ-9-Tetrahydrocannabinol (R-Δ-10-THC) 0.0481 0.0721 ND ND Λ-9-Tetrahydrocannabinol (R-Δ-10-THC) 0.0481 0.0721 ND ND Λ-10-Tetrahydrocannabinol (R-Δ-10-THC) 0.0481 0.0721 ND ND γ-1-1-Tetrahydrocannabinol (γ-1-THC) 0.0481 0.0721 ND ND γ-1-Tetrahydrocannabinol (γ-1-THC) 0.0481 <th>d: 04/28/2023</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	d: 04/28/2023								
Δ-8-Tetrahydrocannabinol (Δ-9 THC) Δ-9-Tetrahydrocannabinol (Δ-9 THC) Δ-9-Tetrahydrocannabinolic Acid (THCA-A) Δ-9-Tetrahydrocannabinolic Acid (THCA-A) Δ-9-Tetrahydrocannabinolic Acid (THCP) Δ-9-Tetrahydrocannabinorin (Δ-9-THCP) Δ-9-Tetrahydrocannabivarin (Δ-9-THCP) Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Λ-9-Tetrahydrocannabivarin (Δ-9-THCV) Λ-9-Tetrahydrocannabivarin (Λ-9-THCV) Λ-10-Tetrahydrocannabivarin (Λ-9-THCV) Λ-10-Tetrahydrocannabivarin (Λ-9-THCV) Λ-10-Tetrahydrocannabinol (Λ-10-THC) Λ-10-Tetrahydrocannabinol (Λ-10-T	Analyte			LOD	LOQ	Mass	Mass		
Δ-9-Tetrahydrocannabinol (Δ-9 THC) Δ-9-Tetrahydrocannabinolic Acid (THCA-A) Δ-9-Tetrahydrocannabinolic Acid (THCA-A) Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP) Δ-9-Tetrahydrocannabiphorol (Δ-9-THCV) Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) Δ-9-Tetrahydrocannabinol (R-Δ-10-THC) Δ-9-Tetrahydrocannabinol (R-Δ-10-THC) Δ-9-Tetrahydrocannabinol (R-Δ-10-THC) Δ-9-Tetrahydrocannabinol (R-Δ-10-THC) Δ-9-Tetrahydrocannabinol (R-Δ-10-THC) Δ-10-Tetrahydrocannabinol (P-Δ-10-THC) Δ-10-Tetrahydrocannabinol (P-Δ-10-T		3 ′		%	%	%	mg/g		
Δ-9-Tetrahydrocannabinolic Acid (THCA-A) 0.0481 0.0721 28.130 281.298 Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP) 0.0481 0.0721 ND ND Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCV) 0.0481 0.0721 ND ND Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) 0.0481 0.0721 ND ND R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) 0.0481 0.0721 ND ND 9R-Hexahydrocannabinol (9R-HHC) 0.0481 0.0721 ND ND 9S-Hexahydrocannabinol (9S-HHC) 0.0481 0.0721 ND ND Tetrahydrocannabinol Acetate (THCO) 0.0481 0.0721 ND ND Cannabidivarinic Acid (CBDV) 0.0481 0.0721 ND ND Cannabidioli (CBD) 0.0481 0.0721 ND ND Cannabidiolic Acid (CBDA) 0.0481 0.0721 ND ND Cannabigerolic Acid (CBGA) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 N	Δ-8-Tetrahydrocannabino	il (Δ-8 THC)		0.0481	0.0721	ND	ND		
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP) 0.0481 0.0721 ND ND Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) 0.0481 0.0721 ND ND Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) 0.0481 0.0721 0.114 1.135 R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) 0.0481 0.0721 ND ND S-Δ-10-Tetrahydrocannabinol (9-Δ-10-THC) 0.0481 0.0721 ND ND 9R-Hexahydrocannabinol (9R-HHC) 0.0481 0.0721 ND ND 9S-Hexahydrocannabinol (9S-HHC) 0.0481 0.0721 ND ND Tetrahydrocannabinol Acetate (THCO) 0.0481 0.0721 ND ND Cannabidivarin (CBDV) 0.0481 0.0721 ND ND Cannabidiol (CBD) 0.0481 0.0721 ND ND Cannabidiolic Acid (CBDA) 0.0481 0.0721 ND ND Cannabigerolic Acid (CBGA) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND N	Δ-9-Tetrahydrocannabino	il (Δ-9 THC)		0.0481	0.0721	0.176	1.760	1	
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) 0.0481 0.0721 ND ND Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) 0.0481 0.0721 0.114 1.135 R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) 0.0481 0.0721 ND ND 9R-Hexahydrocannabinol (9-Δ-10-THC) 0.0481 0.0721 ND ND 9R-Hexahydrocannabinol (9S-HHC) 0.0481 0.0721 ND ND 9S-Hexahydrocannabinol Acetate (THCO) 0.0481 0.0721 ND ND Cannabidivarin (CBDV) 0.0481 0.0721 ND ND Cannabidioli (CBD) 0.0481 0.0721 ND ND Cannabidioli Acid (CBDVA) 0.0481 0.0721 ND ND Cannabigerol (CBG) 0.0481 0.0721 ND ND Cannabigerolic Acid (CBGA) 0.0481 0.0721 LOQ LOQ Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND	Δ-9-Tetrahydrocannabino	olic Acid (THCA-A)		0.0481	0.0721	28.130	281.298		
Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) 0.0481 0.0721 0.114 1.135 R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) 0.0481 0.0721 ND ND S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC) 0.0481 0.0721 ND ND 9R-Hexahydrocannabinol (9R-HHC) 0.0481 0.0721 ND ND 9S-Hexahydrocannabinol (9S-HHC) 0.0481 0.0721 ND ND Tetrahydrocannabinol Acetate (THCO) 0.0481 0.0721 ND ND Cannabidivarini (CBDV) 0.0481 0.0721 ND ND Cannabidioli (CBDVA) 0.0481 0.0721 ND ND Cannabidioli (CBDA) 0.0481 0.0721 ND ND Cannabigerol (CBG) 0.0481 0.0721 ND ND Cannabirol (CBN) 0.0481 0.0721 ND ND Cannabinoli (CBN) 0.0481 0.0721 ND ND Cannabinoli (CBNA) 0.0481 0.0721 ND ND Cannabinoli (CBNA) 0.0481 0.0721 ND ND Cannabinoli (CBNA)	Δ-9-Tetrahydrocannabiph	iorol (Δ-9-THCP)		0.0481	0.0721	ND	ND		
R-∆-10-Tetrahydrocannabinol (R-∆-10-THC) S-∆-10-Tetrahydrocannabinol (S-∆-10-THC) 9R-Hexahydrocannabinol (9R-HHC) 9S-Hexahydrocannabinol (9R-HHC) 10.0481 0.0721 ND ND 9S-Hexahydrocannabinol (9S-HHC) 10.0481 0.0721 ND ND	Δ-9-Tetrahydrocannabiva	rin (Δ-9-THCV)		0.0481	0.0721	ND	ND		
S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC) 0.0481 0.0721 ND ND 9R-Hexahydrocannabinol (9R-HHC) 0.0481 0.0721 ND ND 9S-Hexahydrocannabinol (9S-HHC) 0.0481 0.0721 ND ND Tetrahydrocannabinol Acetate (THCO) 0.0481 0.0721 ND ND Cannabidivarinic Acid (CBDV) 0.0481 0.0721 ND ND Cannabidioli (CBD) 0.0481 0.0721 ND ND Cannabidiolic Acid (CBDA) 0.0481 0.0721 ND ND Cannabigerol (CBG) 0.0481 0.0721 LOQ LOQ Cannabigerolic Acid (CBGA) 0.0481 0.0721 1.292 12.923 Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND	Δ-9-Tetrahydrocannabiva	rinic Acid (Δ-9-THCVA)		0.0481	0.0721	0.114	1.135	1	
9R-Hexahydrocannabinol (9R-HHC) 0.0481 0.0721 ND ND 9S-Hexahydrocannabinol (9S-HHC) 0.0481 0.0721 ND ND Tetrahydrocannabinol Acetate (THCO) 0.0481 0.0721 ND ND Cannabidivarin (CBDV) 0.0481 0.0721 ND ND Cannabidivarinic Acid (CBDVA) 0.0481 0.0721 ND ND Cannabidiolic Acid (CBDA) 0.0481 0.0721 ND ND Cannabigerol (CBG) 0.0481 0.0721 <tdq< td=""> <tdq< td=""> Cannabigerolic Acid (CBRA) 0.0481 0.0721 1.292 12.923 Cannabinolic (CBN) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND</tdq<></tdq<>	R-Δ-10-Tetrahydrocannal	oinol (R-Δ-10-THC)		0.0481	0.0721	ND	ND		
9S-Hexahydrocannabinol (9S-HHC) Tetrahydrocannabinol Acetate (THCO) Cannabidivarin (CBDV) Cannabidivarinic Acid (CBDVA) Cannabidiol (CBD) Cannabidiolic Acid (CBDA) Cannabidiolic Acid (CBDA) Cannabidiolic Acid (CBDA) Cannabigerol (CBG) Cannabigerolic Acid (CBGA) Cannabinol (CBN) Cannabinol (CBN) Cannabinolic Acid (CBNA) Cannabinolic Acid (CBNA) Cannabironene (CBC) 0.0481 0.0721 ND ND ND ND ND ND ND ND ND N	S-Δ-10-Tetrahydrocannal	pinol (S-Δ-10-THC)	\cup λ	0.0481	0.0721	ND	ND		
Tetrahydrocannabinol Acetate (THCO) 0.0481 0.0721 ND ND Cannabidivarin (CBDV) 0.0481 0.0721 ND ND Cannabidivarinic Acid (CBDVA) 0.0481 0.0721 ND ND Cannabidioli (CBD) 0.0481 0.0721 ND ND Cannabidiolic Acid (CBDA) 0.0481 0.0721 <loq< td=""> <loq< td=""> Cannabigeroli (CBG) 0.0481 0.0721 1.292 12.923 Cannabinol (CBN) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabironmene (CBC) 0.0481 0.0721 ND ND</loq<></loq<>	9R-Hexahydrocannabinol	(9R-HHC)		0.0481	0.0721	ND	ND		
Cannabidivarin (CBDV) 0.0481 0.0721 ND ND Cannabidivarinic Acid (CBDVA) 0.0481 0.0721 ND ND Cannabidiol (CBD) 0.0481 0.0721 ND ND Cannabidiolic Acid (CBDA) 0.0481 0.0721 <loq< td=""> <loq< td=""> Cannabigerol (CBG) 0.0481 0.0721 1.292 12.923 Cannabinol (CBN) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND</loq<></loq<>	9S-Hexahydrocannabinol	(9S-HHC)		0.0481	0.0721	ND	ND		
Cannabidivarinic Acid (CBDVA) 0.0481 0.0721 ND ND Cannabidiol (CBD) 0.0481 0.0721 ND ND Cannabidiolic Acid (CBDA) 0.0471 0.0721 <loq< td=""> <loq< td=""> Cannabigerol (CBG) 0.0481 0.0721 <loq< td=""> <loq< td=""> Cannabigerolic Acid (CBGA) 0.0481 0.0721 ND ND Cannabinol (CBN) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND</loq<></loq<></loq<></loq<>	Tetrahydrocannabinol Acc	etate (THCO)		0.0481	0.0721	ND	ND		
Cannabidiol (CBD) 0.0481 0.0721 ND ND Cannabidiolic Acid (CBDA) 0.0471 0.0721 <loq< td=""> <loq< td=""> Cannabigerol (CBG) 0.0481 0.0721 <loq< td=""> <loq< td=""> Cannabigerolic Acid (CBGA) 0.0481 0.0721 ND ND Cannabinol (CBN) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND</loq<></loq<></loq<></loq<>	Cannabidivarin (CBDV)			0.0481	0.0721	ND	ND	>'~	
Cannabidiolic Acid (CBDA) 0.0471 0.0721 <loq< td=""> <loq< td=""> Cannabigerol (CBG) 0.0481 0.0721 <loq< td=""> <loq< td=""> Cannabigerolic Acid (CBGA) 0.0481 0.0721 1.292 12.923 Cannabinol (CBN) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND</loq<></loq<></loq<></loq<>	Cannabidivarinic Acid (CB	DVA)		0.0481	0.0721	ND	ND	4()	
Cannabigerol (CBG) 0.0481 0.0721 <loq< td=""> <loq< td=""> Cannabigerolic Acid (CBGA) 0.0481 0.0721 1.292 12.923 Cannabinol (CBN) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND</loq<></loq<>	Cannabidiol (CBD)			0.0481	0.0721	ND	ND		
Cannabigerolic Acid (CBGA) 0.0481 0.0721 1.292 12.923 Cannabinol (CBN) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND	Cannabidiolic Acid (CBDA	J		0.0471	0.0721	<loq< td=""><td><loq< td=""><td></td><td></td></loq<></td></loq<>	<loq< td=""><td></td><td></td></loq<>		
Cannabinol (CBN) 0.0481 0.0721 ND ND Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND	Cannabigerol (CBG)			0.0481	0.0721	<loq< td=""><td><loq< td=""><td></td><td></td></loq<></td></loq<>	<loq< td=""><td></td><td></td></loq<>		
Cannabinolic Acid (CBNA) 0.0481 0.0721 ND ND Cannabichromene (CBC) 0.0481 0.0721 ND ND	Cannabigerolic Acid (CBG	A)		0.0481	0.0721	1.292	12.923		
Cannabichromene (CBC) 0.0481 0.0721 ND ND	Cannabinol (CBN)			0.0481	0.0721	ND	ND		
	Cannabinolic Acid (CBNA)			0.0481	0.0721	ND	ND		
Cannabichromenic Acid (CBCA) 0.0481 0.0721 \$LOO \$LOO	Cannabichromene (CBC)	レン		0.0481	0.0721	ND	ND		
	Cannabichromenic Acid (C	(BCA)		0.0481	0.0721	≺F00	<loq< td=""><td></td><td></td></loq<>		

Total THC's = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.

Total THC Measurement of Uncertainty: \pm 0.040% Total CBD Measurement of Uncertainty: \pm 2.000% THCO potency analysis does not designate quantitative specificity of Δ -8-THCO and Δ -9-THCO isomers



6121 Heritage Park Drive, A500 Chattanooga, TN 37416 (844) 837-8223 TN DEA#: RN0563975 ANAB Testing Laboratory (AT-2868): ISO/IEC

17025:2017

Laboratory Director

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