Certificate of Analysis

Graves Farm

2529 Cardinal Rd
Ardmore, OK 73401
gravesfarm.oklahoma@gmail.com
(580) 222-5255
Lic. #PAAA-EYKG-PCTX

Sample: SHOK22090619.2945

Strain: AK-47
Batch#: Batch # GF-AK47-23V; Sample Size: 10 units
Sample Collected: 09/23/2022; Sample Received: 09/23/2022
Report Created: 09/29/2022

Sampling: ; Environment:

CO2 Full Spectrum Vape Cartridge 1g - AK-47 - 1g

Concentrates & Extracts, Formulated Vape Oil, CO2
Harvest Process Lot: ; METRC Batch: ; METRC Sample: 1A40E010000322B000027318

Safety

Pesticides	Microbials	Mycotoxins	Solvents	Metals	Foreign Matter
Pass	Pass	Pass	Pass	Pass	Pass

Potency

70.990% Total THC	ND Total CBD
NT Moisture	Not Tested NT Water Activity

Terpene Aroma

Cinnamon	Hops	Chamomile
Wood	Lavender	4.208% Total Terpenes

114154 S. 4629 Rd.
Sallisaw, OK
(918) 315-7892
https://www.steephillok.com
Lic# LAAA-NJT2-DMOG
Accreditation #: 108156

Mary-Inez Atherton
Laboratory Director

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(866) 506-5866
www.confidentcannabis.com

ND=Not Detected, NR=Not Reported, LOD=Limit of Detection, LOQ=Limit of Quantitation. This product has been tested by Steep Hill Oklahoma, using valid testing methologies and a quality system as required by state law. Values reported relate only to the product tested and batched under the batch number identified above. Steep Hill Oklahoma makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected level of any compounds reported herein. This Certificate must not be altered, and shall not be reproduced except in full, without the written approval of Steep Hill Oklahoma. Decision Rule: Statements of conformity do not take measurement uncertainty into account.

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Cannabinoids

Date of Analysis: 09/26/2022

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.001	2.434	24.34
Δ9-THC	0.001	68.855	688.55
Δ8-THC	0.001	ND	ND
THCVa	0.001	ND	ND
THCV	0.001	ND	ND
CBDa	0.001	ND	ND
CBD	0.001	ND	ND
CBDVa	0.001	ND	ND
CBDV	0.001	ND	ND
CBN	0.001	1.674	16.74
CBGa	0.001	ND	ND
CBG	0.001	2.197	21.97
CBC	0.001	0.773	7.73
CBL	0.001	0.641	6.41
Total		**76.573**	**765.73**

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; Standard potency analysis utilizing High Performance Liquid Chromatography with Photo Diode. Array Detector (HPLC-PDA; SOP-068). Moisture content analysis utilizing Moisture Balance (MB; SOP-055)

Terpenes

Date of Analysis: 09/26/2022

Analyte	LOQ	Mass	Mass
	%	%	mg/g
β-Caryophyllene	0.000	1.554	15.54
α-Humulene	0.000	0.604	6.04
α-Bisabolol	0.000	0.437	4.37
Caryophyllene Oxide	0.000	0.395	3.95
Linalool	0.000	0.253	2.53
β-Farnesene	0.000	0.186	1.86
β-Myrcene	0.000	0.180	1.80
Nerolidol	0.001	0.178	1.78
trans-Nerolidol	0.000	0.134	1.34
α-Cedrene	0.000	0.130	1.30
Guaiol	0.000	0.050	0.50
cis-Nerolidol	0.000	0.044	0.44
Fenchol	0.000	0.034	0.34
α-Terpineol	0.000	0.024	0.24
Limonene	0.000	0.002	0.02
β-Pinene	0.000	0.001	0.01
α-Farnesene	0.000	ND	ND
α-Pinene	0.000	ND	ND
α-Terpinene	0.000	ND	ND
Camphene	0.000	ND	ND
Eucalyptol	0.000	ND	ND
Fenchone	0.000	ND	ND
Geranyl Acetate	0.000	ND	ND
Menthol	0.000	ND	ND
(-)-Borneol	0.001	ND	ND
Terpinolene	0.000	ND	ND

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069)
Notes:

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Pesticides Date of Analysis: 09/26/2022 — Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Abamectin		0.500	ND	Pass
Azoxystrobin	0.001	0.200	ND	Pass
Bifenazate	0.001	0.200	ND	Pass
Etoxazole	0.001	0.200	ND	Pass
Imazalil	0.001	0.200	ND	Pass
Imidacloprid	0.001	0.400	ND	Pass
Malathion	0.001	0.200	ND	Pass
Myclobutanil	0.001	0.200	ND	Pass
Permethrins	0.000	0.200	ND	Pass
Spinosad		0.200	ND	Pass
Spiromesifen	0.001	0.200	ND	Pass
Spirotetramat	0.001	0.200	ND	Pass
Tebuconazole	0.001	0.400	ND	Pass

Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry
(LC-MSMS + GC-MSMS; SOP-070 + SOP-080) - Limit units: µg/g

Microbials Date of Analysis: 09/26/2022 — Pass

Analyte	Limit	Mass	Status
	CFU/g	CFU/g	
Aspergillus flavus	0	ND	Pass
Aspergillus fumigatus	0	ND	Pass
Aspergillus niger	0	ND	Pass
Aspergillus terreus	0	ND	Pass
Salmonella	0	ND	Pass
Shiga Toxin E. Coli	0	ND	Pass
Yeast & Mold	10000	ND	Pass

Microbiological screening utilizing Medicinal Genomics SOP-703-OK - Limit units: CFU/g

Residual Solvents Date of Analysis: 09/26/2022 — Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Acetone	26.46	1000.00	<LOQ	Pass
Benzene	0.01	2.00	ND	Pass
Butanes	3.11	1000.00	ND	Pass
Ethanol	11.48	5000.00	ND	Pass
Ethyl-Acetate	20.39	1000.00	<LOQ	Pass
Heptanes	35.14	1000.00	ND	Pass
Isopropanol	25.09	1000.00	ND	Pass
m+p Xylene	61.67	430.00	ND	Pass
Methanol	38.18	600.00	ND	Pass
n-Hexane	2.25	60.00	ND	Pass
o-Xylene	33.23	430.00	ND	Pass
Pentane	11.21	1000.00	25.25	Pass
Propane	0.44	1000.00	ND	Pass
Toluene	10.16	180.00	14.64	Pass
Xylenes	94.90	430.00	ND	Pass

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010) - Limit units: µg/g

Heavy Metals Date of Analysis: 09/26/2022 — Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Arsenic	0.002	0.200	0.006	Pass
Cadmium	0.002	0.200	ND	Pass
Lead	0.002	0.500	0.011	Pass
Mercury	0.002	0.100	ND	Pass

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072) - Limit units: µg/g

Mycotoxins Date of Analysis: 09/26/2022 — Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Aflatoxins		20.00	ND	Pass
B1	0.10		ND	Tested
B2	0.10		ND	Tested
G1	0.10		ND	Tested
G2	0.10		ND	Tested
Ochratoxin A	0.10	20.00	ND	Pass

Mycotoxin analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070) - Limit units: µg/kg

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