KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

CBDFS.010524.1

Sample ID: SA-240111-32968
Batch:
Type: In-Process Material
Matrix: Concentrate - Distillate
Unit Mass (g):

Received: 01/11/2025
Completed: 01/24/2025

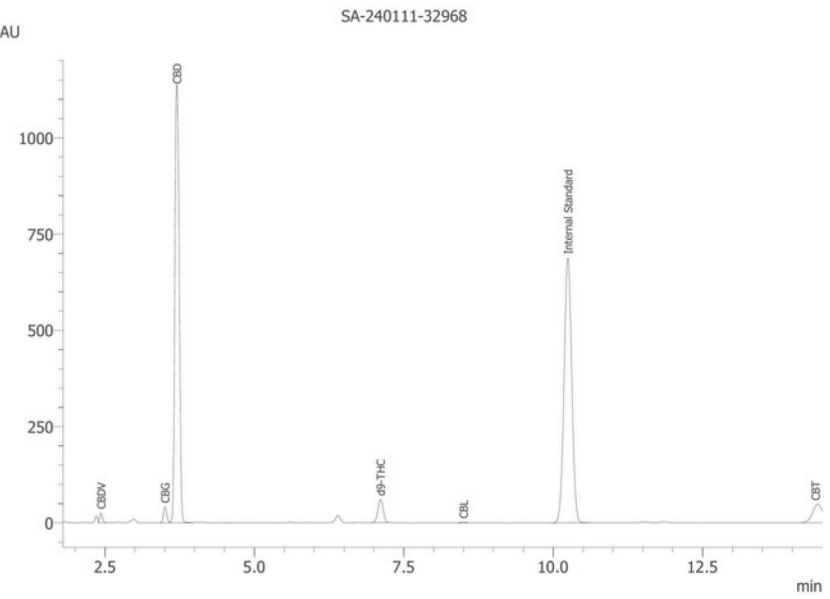
Summary

Test	Date Tested	Status
Cannabinoids	01/18/2025	Tested
Heavy Metals	01/ 23/ 2025	Tested
Pesticides	01/ 22/ 2025	Tested
Residual Solvents	01/ 24/ 2025	Tested

3.87 %	87.8 %	99.4 %	Not Tested	Not Tested	Yes
Total Δ9-THC	CBD	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

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

Ana ly te	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	87.8	878
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	0.788	7.88
C BD VA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	1.76	17.6
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	0.147	1.47
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	ND	ND
CBNA	0.006	0.0181	ND	ND
CBT Δ8-	0.018	0.054	4.95	49.5
THC Δ9-	0.0104	0.0312	ND	ND
THC Δ9-	0.0076	0.0227	3.87	38.7
THCA Δ9-	0.0084	0.0251	ND	ND
THCV Δ9-	0.0069	0.0206	ND	ND
THCVA Δ	0.0062	0.0186	ND	ND
Total 9-THC			3.87	38.7
Total			99.4	994



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

Generated By: Ryan Bellone
CCO
Date: 01/24/2025

Tested By: Nicholas Howard
Scientist
Date: 01/18/2025

ISO/IEC 17025:2017 Accredited
Accreditation #108651

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Heavy Metals by ICP-MS

Ana ly te	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arseni c	0.002	0.02	ND
Cadmium	0.001	0.02	ND
Lead	0.002	0.02	ND
Mercury	0.012	0.05	ND

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Generated By: Ryan Bellone
CCO
Date: 01/24/2025

Tested By: Chris Farman
Scientist
Date: 01/23/2025

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Pesticides by LC-MS/MS

Ana ly te	LOD (ppb)	LOQ (ppb)	Result (ppb)	Ana ly te	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamec ti n	30	100	ND	Hexythiazox	30	100	ND
Acephate	30	100	ND	Imazalil	30	100	ND
Acetamiprid	30	100	ND	Imidacloprid	30	100	ND
Aldicarb	30	100	ND	Kresoximmethyl	30	100	ND
Azoxystrobi n	30	100	ND	Malathion	30	100	ND
Bifenazate	30	100	ND	Metalaxy l	30	100	ND
Bifenthri n	30	100	ND	Methiocarb	30	100	ND
Bosclid	30	100	ND	Methomyl	30	100	ND
Carbary l	30	100	ND	Mevinphos	30	100	ND
Carbofuran	30	100	ND	Myclobutani l	30	100	ND
Chloranthraniliprole	30	100	ND	Naled	30	100	ND
Chlorfenapyr	30	100	ND	Oxamyl	30	100	ND
Chlorpyrifos	30	100	ND	Paclobutrazol	30	100	ND
Clofentezi ne	30	100	ND	Permethrin	30	100	ND
Coumaphos	30	100	ND	Phosmet	30	100	ND
Cypermethrin	30	100	ND	Piperonyl Butoxide	30	100	ND
Daminozide	30	100	ND	Propiconazole	30	100	ND
Diazinon	30	100	ND	Propoxur	30	100	ND
Dichlorvos	30	100	ND	Pyrethrins	30	100	ND
Dimethoate	30	100	ND	Pyridaben	30	100	ND
Dimethomorph	30	100	ND	Spinetoram	30	100	ND
Ethoprophos	30	100	ND	Spinosad	30	100	ND
Etofenprox	30	100	ND	Spiromesifen	30	100	ND
Etox azole	30	100	ND	Spirotetramat	30	100	ND
Fenhexami d	30	100	ND	Spiroxamine	30	100	ND
Fenoxycarb	30	100	ND	Tebuconazole	30	100	ND
Fenpyroximate	30	100	ND	Thiacloprid	30	100	ND
Fipronil	30	100	ND	Thiamethoxam	30	100	ND
Flonicamid	30	100	ND	Trifloxystrobin	30	100	ND
Fludioxonil	30	100	ND				

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Generated By: Ryan Bellone
CCO
Date: 01/24/2025

Tested By: Jasper van Heemst
Principal Scientist
Date: 01/22/2025

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Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Ana ly te	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1 -Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropy lbenzene	167	500	ND
Chloroform	2	6	ND	Methanol 2-	100	300	ND
Cyclohexane	129	388	ND	Methylbutane	10	29	ND
1,2 -Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	n- Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1 -Pentanol	167	500	ND
2,3-Dimethylbutane	10	29	ND	n-Propane	167	500	ND
N,N -Dimethylformamide	30	88	ND	1 -Propanol	167	500	ND
2,2-Dimethylpropane	167	500	ND	Pyridine	7	20	ND
1,4-Dioxane	13	38	ND	Tetrahydrofuran	24	72	ND
Ethanol	167	500	ND	Toluene	30	89	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethyl Ether	167	500	ND				
Ethy l benzene	3	7	ND				

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Generated By: Ryan Bellone
CCO
Date: 01/24/2025

Tested By: Kelsey Rogers
Scientist
Date: 01/24/2025