KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

Sour Orange-HM40P-0152

Sample ID: SA-250416-60468
Batch: THCP20250512 Type:
Plant Material Matrix: Plant -
Flower Unit Mass (g):

Received: 04/17/2025
Completed: 04/28/2025

Client
Hazy Mary
Tallahassee, FL USA
Lic. #: 2025-N-2149360

Summary

Test	Date Tested	Status
Cannabi no i ds	04/ 23/ 2025	Tested
Mo i sture	04/ 23/ 2025	Tested
Foreign Matter	04/ 21/ 2025	Tested
Heavy Metals	04/ 22/ 2025	Tested
Microbials	04/ 28 / 2025	Tested
Mycotoxins	04/ 23/ 2025	Tested
P esti c i des	04/ 23/ 2025	Tested
Residual Solvents	04/ 21/ 2025	Tested

0.286 % Δ9-THC	5.48 % CBDA	14.46 % Total Cannabinoids	12.38 % Moisture Content	Not Detected Foreign Matter	Yes Internal Standard N o rmal i zati o n

Generated By: Ryan Bellone
Commercial Director
Date: 04/28/2025

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Certificate of Analysis

Sample #2

Sample ID: SA-250416-60468
Batch: THCP20250512
Type: Plant Material
Matrix: Plant - Flower
Unit Mass (g):

Received: 04/17/2025
Completed: 04/28/2025

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Cannabinoids by HPLC-PDA and GC-MS/MS

Ana lyte	LOD (%)	LOQ (%)	Result (% dry)	Result (mg/g dry)
CBC	0.00095	0.0028	0.0394	0.394
CBCA	0.00181	0.0054	0.296	2.96
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.0024	0.667	6.67
CBDA	0.00043	0.0013	5.48	54.8
CBDP	0.00067	0.002	ND	ND
CBDV	0.00061	0.0018	ND	ND
C BD VA	0.00021	0.0006	0.0538	0.538
CBG	0.00057	0.0017	0.0387	0.387
CBGA	0.00049	0.0015	0.448	4.48
CBL	0.00112	0.0033	ND	ND
CBLA	0.00124	0.0037	0.0155	0.155
CBN	0.00056	0.0017	0.0861	0.861
CBNA	0.0006	0.0018	ND	ND
CBNP	0.00067	0.002	0.0119	0.119
CBT	0.0018	0.0054	0.0160	0.160
Δ 4,8- i s o-TH C	0.00067	0.002	0.126	1.26
Δ6a,10a-THC	0.00067	0.002	0.614	6.14
Δ8-iso-THC	0.00067	0.002	ND	ND
Δ8-THC	0.00104	0.0031	0.0463	0.463
Δ8-THCP	0.00067	0.002	0.0372	0.372
Δ8-THCV	0.00067	0.002	ND	ND
Δ9-THC	0.00076	0.0023	0.286	2.86
Δ9-THCA	0.00084	0.0025	0.01	19.7
Δ9-THCP	0.00067	0.002	1.30	13.0
Δ9-THCV	0.00069	0.0021	0.0132	0.132
Δ9-THCVA	0.00062	0.0019	0.110	1.10
(6aR,9R)-Δ10-THC	0.00067	0.002	ND	ND
(6aR,9S)-Δ10-THC	0.00067	0.002	ND	ND
exo-THC	0.00067	0.002	ND	ND
(6aR,9R,10aR)-HHC	0.00067	0.002	4.03	40.3
(6aR,9S,10aR)-HHC	0.00067	0.002		9.06
				20.2
				166
Total Δ9-THC			0.29	
Total			16.6	

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
Commercial Director
Date: 04/28/2025

Tested By: Scott Caudill
Laboratory Manager
Date: 04/23/2025

ISO/IEC 17025:2017 Accredited
Accreditation #108651

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Heavy Metals by ICP-MS

Ana lyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
A rseni c	0.002	0.02 0.02	0.0490
Cadmium	0.001	0.02 0.05	<LOQ
Lead	0.002		0.1 06
M erc u ry	0.012		<LOQ

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 04/28/2025

Tested By: Chris Farman
Sc i en ti st
Date: 04/22/2025

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Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND
Acephate	30	100	ND
Acetamiprid	30	100	ND
Aldicarb	30	100	ND
Azoxystrobin	30	100	ND
Bifenazate	30	100	ND
Bifenthrin	30	100	ND
Boscalid	30	100	ND
Carbaryl	30	100	ND
Carbofuran	30	100	ND
Chlorantraniliprole	30	100	ND
Chlordane	30	100	ND
Chlorfenapyr	30	100	ND
Chlorpyrifos	30	100	ND
Clofentezine	30	100	ND
Coumaphos	30	100	ND
Cypermethrin	30	100	ND
Daminozide	30	100	ND
Diazinon	30	100	ND
Dichlorvos	30	100	ND
Dimethoate	30	100	ND
Dimethomorph	30	100	ND
Ethoprophos	30	100	ND
Etofenprox	30	100	ND
Etoxazole	30	100	ND
Fenhexamid	30	100	ND
Fenoxycarb	30	100	ND
Fenpyroximate	30	100	ND
Fipronil	30	100	ND
Flonicamid	30	100	ND
Fludioxonil	30	100	ND

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Hexythiazox	30	100	ND
Imazalil	30	100	ND
Imidacloprid	30	100	ND
Kresoxim methyl	30	100	ND
Malathion	30	100	ND
Metalaxyl	30	100	ND
Methiocarb	30	100	ND
Methomyl	30	100	ND
Mevinphos	30	100	ND
Myclobutanil	30	100	ND
Naled	30	100	ND
Oxamyl	30	100	ND
Paclobutrazol	30	100	ND
Parathion methyl	30	100	ND
Pentachloronitrobenzene	30	100	ND
Permethrin	30	100	23300
Phosmet	30	100	ND
Piperonyl Butoxide	30	100	ND
Prallethrin	30	100	ND
Propiconazole	30	100	ND
Propoxur	30	100	ND
Pyrethrins	30	100	ND
Pyridaben	30	100	ND
Spinetoram	30	100	ND
Spinosad	30	100	ND
Spiromesifen	30	100	ND
Spirotetramat	30	100	ND
Spiroxamine	30	100	ND
Tebuconazole	30	100	ND
Thiacloprid	30	100	ND
Thiamethoxam	30	100	ND
Trifloxystrobin	30	100	ND

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Generated By: Ryan Bellone
Commercial Director
Date: 04/28/2025

Tested By: Anthony Mattingly
Scientist
Date: 04/23/2025

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Mycotoxins by LC-MS/MS

Ana lyte	LOD	LOQ	Result (ppb)
B1	(ppb) 1 1 1	(ppb) 5 5	ND ND ND
B2	1 1	5 5 5	ND ND
G1			
G2			
Ochratoxin A			

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 04/28/2025

Tested By: Anthony Mattingly
Sc i en ti st
Date: 04/23/2025

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Microbials by PCR and Plating

Ana lyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative) TNTC
Total aerobic count	1 1 1 1 1 1000 1		(>3,000) Not Detected
Aspergillus flavus	1 1 1 1000		per 1 gram Not Detected
Aspergillus fumigatus			per 1 gram Not Detected
Aspergillus niger			per 1 gram Not Detected
Aspergillus terreus			per 1 gram
Bile-tolerant gram-negative bacteria		ND	
Total coliforms			TNTC (>3,000) TNTC
Generic E. coli			(>3,000) Not Detected
Salmonella spp.			per 1 gram Not Detected
Shiga-toxin producing E. coli (STEC)			per 1 gram
Total yeast and mold count (TYMC)		30000	

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Generated By: Ryan Bellone
Commercial Director
Date: 04/28/2025

Tested By: Sara Cook
Laboratory Technician
Date: 04/28/2025

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Residual Solvents by HS-GC-MS

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

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Generated By: Ryan Bellone
Commercial Director
Date: 04/28/2025

Tested By: Kelsey Rogers
Scientist
Date: 04/21/2025