

1 of 8

KCA Laboratories 232 North Plaza Drive Nicholasville, KY 40356

+1-833-KCA-LABS https://kcalabs.com KDA Lic.# P\_0058

#### **Pet Tincture**

Sample ID: SA-250805-66577 Batch: HC8-PT-0825 Type: Finished Product - Ingestible Matrix: Oil / Liquid - Other Oil Unit Mass (g):

Received: 08/11/2025 Completed: 09/26/2025 Client
Highly Concentr8ed
2144 Gulf Gate Dr.
Sarasota, FL 34231
USA

Lic. #: 405998



Summary Test Cannabinoids

Foreign Matter Heavy Metals Microbials Mycotoxins Pesticides

Residual Solvents

09/22/2025 08/28/2025 09/26/2025 09/24/2025 09/25/2025 09/19/2025

**Date Tested** 

09/22/2025

Status Tested Tested Passed Passed Passed Passed Passed

**ND**Total Δ9-THC

20.3 mg/mL

20.4 mg/mL

Total Cannabinoids

Not Tested

Moisture Content

**Not Detected** 

Foreign Matter

Yes
Internal Standard
Normalization

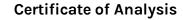








This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 170252017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of 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 KCA Laboratories KCA Laboratories are provide measurement uncertainty upon request.





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Cannabinoids by HPLC-PDA and GC-MS/MS

	LO PDA dila de Moj			_   .
Analyte	LOD	LOQ	Result	Result
	(mg/mL)	(mg/mL)	(mg/mL)	(%)
CBC	0.00095	0.00284	ND	ND
BCA	0.00181	0.00543	ND	ND
BCV	0.0006	0.0018	ND	ND
BD	0.00081	0.00242	20.3	2.22
BDA	0.00043	0.0013	ND	ND
BDV	0.00061	0.00182	0.0738	0.00806
BDVA	0.00021	0.00063	ND	ND
BG	0.00057	0.00172	ND	ND
BGA	0.00049	0.00147	ND	ND
3L	0.00112	0.00335	ND	ND
BLA	0.00124	0.00371	ND	ND
3N	0.00056	0.00169	ND	ND
BNA	0.0006	0.00181	ND	ND
3T	0.0018	0.0054	ND	ND
4,8-iso-THC	0.0067	0.02	ND	ND
Sa,10a-THC	0.0067	0.02	ND	ND
3-iso-THC	0.0067	0.02	ND	ND
3-THC	0.00104	0.00312	ND	ND
3-THC acetate	0.0067	0.02	ND	ND
B-THCP	0.0067	0.02	ND	ND
B-THCV	0.0067	0.02	ND	ND
9-THC	0.00076	0.00227	ND	ND
9-THC acetate	0.0067	0.02	ND	ND
9-THCA	0.00084	0.00251	ND	ND
9-THCP	0.0067	0.02	ND	ND
9-THCV	0.00069	0.00206	ND	ND
9-THCVA	0.00062	0.00186	ND	ND
aR,9R)-Δ10-THC	0.0067	0.02	ND	ND
aR,9S)-Δ10-THC	0.0067	0.02	ND	ND
co-THC	0.0067	0.02	ND	ND
aR,9R,10aR)-HHC	0.0067	0.02	ND	ND
aR,9S,10aR)-HHC	0.0067	0.02	ND	ND
otal Δ9-THC	0.0007	0.02	ND ND	ND ND
otal			20.4	2.23
, cai			20.4	2.23

ND = Not Detected; NR = Sample matrix interference present which may affect accuracy of results; NT = Not Tested; UA = Unsuitable for Analysis; NR = (Spike) Not Recoverable; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit;  $\Delta$  = Delta; Total  $\Delta$ 9-THC =  $\Delta$ 9-THCA \* 0.877 +  $\Delta$ 9-THC; Total CBD = CBDA \* 0.877 + CBD;

Generated By: Alex Morris Quality Manager Date: 09/26/2025

Tested By: Nicholas Howard Scientist Date: 09/22/2025

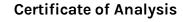




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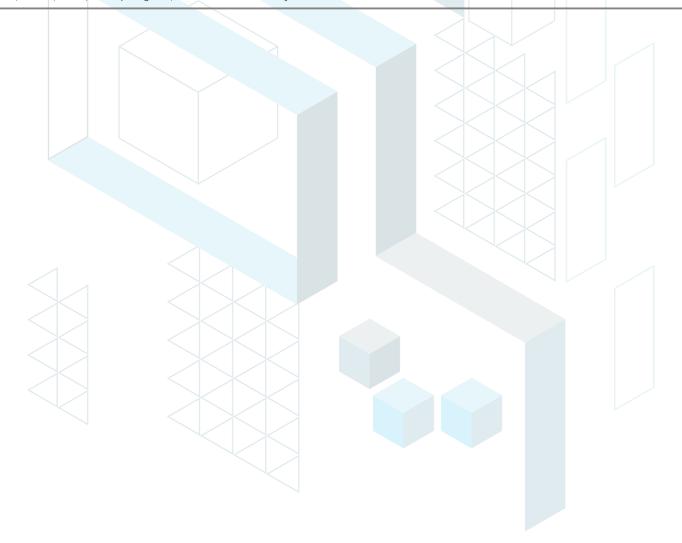
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Lic. #: 405998

### **Heavy Metals by ICP-MS**

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Arsenic	0.002	0.02	<rl< td=""><td>Р</td></rl<>	Р
Cadmium	0.001	0.02	ND	Р
Lead	0.002	0.02	ND	Р
Mercury	0.012	0.05	ND	P

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; NR = Sample matrix interference present which may affect accuracy of results; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



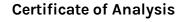
Generated By: Alex Morris

Quality Manager

Date: 09/26/2025

Tested By: Chris Farman Scientist Date: 08/28/2025







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#### **Pet Tincture**

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Lic. #: 405998

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

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Abamectin	30	100	ND	Р	Hexythiazox	30	100	ND	Р
Acephate	30	100	ND	Р	Imazalil	30	100	ND	Р
Acequinocyl	30	100	ND	Р	Imidacloprid	30	100	ND	Р
Acetamiprid	30	100	ND	Р	Kresoxim methyl	30	100	ND	Р
Aldicarb	30	100	ND	Р	Malathion	30	100	ND	Р
Azoxystrobin	30	100	ND	Р	Metalaxyl	30	100	ND	Р
Bifenazate	30	100	ND	P	Methiocarb	30	100	ND	Р
Bifenthrin	30	100	ND	Р	Methomyl	30	100	ND	Р
Boscalid	30	100	ND	Р	Mevinphos	30	100	ND	
Captan	30	100	ND		Myclobutanil	30	100	ND	Р
Carbaryl	30	100	ND	Р	Naled	30	100	ND	Р
Carbofuran	30	100	ND	Р	Oxamyl	30	100	ND	Р
Chloranthraniliprole	30	100	ND	Р	Paclobutrazol	30	100	ND	Р
Chlordane	30	100	ND		Parathion methyl	30	100	ND	Р
Chlorfenapyr	30	100	ND	Р	Pentachloronitrobenzene	30	100	ND	
Chlorpyrifos	30	100	ND	Р	Permethrin	30	100	ND	Р
Clofentezine	30	100	ND	Р	Phosmet	30	100	ND	Р
Coumaphos	30	100	ND		Piperonyl Butoxide	30	100	ND	Р
Cyfluthrin	30	100	ND	Р	Prallethrin	30	100	ND	Р
Daminozide	30	100	ND	Р	Propiconazole	30	100	ND	Р
Diazinon	30	100	ND	Р	Propoxur	30	100	ND	Р
Dichlorvos	30	100	ND	Р	Pyrethrins	30	100	ND	Р
Dimethoate	30	100	ND	Р	Pyridaben	30	100	ND	Р
Dimethomorph	30	100	ND		Spinetoram	30	100	ND	
Ethoprophos	30	100	ND	P	Spinosad	30	100	ND	Р
Etofenprox	30	100	ND	Р	Spiromesifen	30	100	ND	Р
Etoxazole	30	100	ND	Р	Spirotetramat	30	100	ND	Р
Fenhexamid	30	100	ND		Spiroxamine	30	100	ND	Р
Fenoxycarb	30	100	ND	Р	Tebuconazole	30	100	ND	Р
Fenpyroximate	30	100	ND	Р	Thiacloprid	30	100	ND	Р
Fipronil	30	100	ND	Р	Thiamethoxam	30	100	ND	Р
Flonicamid	30	100	ND	Р	Trifloxystrobin	30	100	ND	Р
Fludioxonil	30	<100	ND	P					

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Generated By: Alex Morris

Quality Manager

Authorized By: Scott Caudill Laboratory Manager Date: 09/25/2025





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#### **Certificate of Analysis**

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#### **Pet Tincture**

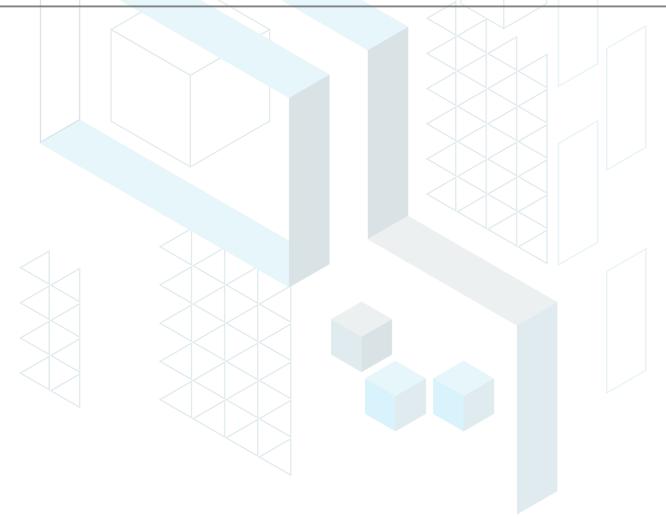
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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
B1	1	5	ND	Р
B2	1	5	ND	Р
G1	1	5	ND	Р
G2	1	5	ND	P
Ochratoxin A	1	5	ND	P

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Generated By: Alex Morris

Quality Manager

Date: 09/26/2025

Tested By: Chris Farman Scientist Date: 09/24/2025





# KCA Laboratories 232 North Plaza Drive

Nicholasville, KY 40356

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#### **Certificate of Analysis**

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Highly Concentr8ed

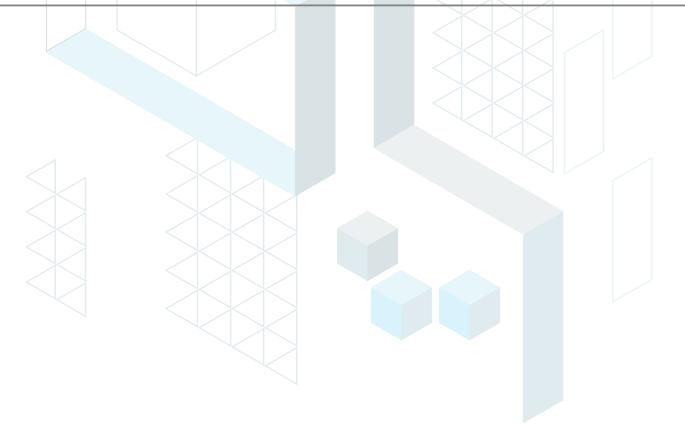
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Lic. #: 405998

### Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)	P/F
Total aerobic count	10	ND		Р
Aspergillus flavus	1		Not Detected per 1 gram	Р
Aspergillus fumigatus	1		Not Detected per 1 gram	P
Aspergillus niger	1		Not Detected per 1 gram	P
Aspergillus terreus	1		Not Detected per 1 gram	Р
Bile-tolerant gram-negative bacteria	10	ND		Р
Total coliforms	10	ND		Р
Generic E. coli	10	ND		Р
Salmonella spp.	1		Not Detected per 1 gram	Р
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram	Р
Total yeast and mold count (TYMC)	10	ND		Р

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; NR = Sample matrix interference present which may affect accuracy of results; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



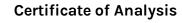
Generated By: Alex Morris

Quality Manager

Date: 09/26/2025

Tested By: Sara Cook Laboratory Technician Date: 09/26/2025







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Lic. #: 405998

Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Acetone	33	100	ND	P	Ethylene Oxide	0.5	1	ND	P
Acetonitrile	14	41	ND	Р	Heptane	167	500	ND	Р
Benzene	0.5	1	ND	Р	n-Hexane	2	6	ND	Р
Butane	33	100	ND	Р	Isobutane	33	100	ND	Р
1-Butanol	167	500	ND	Р	Isopropyl Acetate	167	500	ND	Р
2-Butanol	167	500	ND	Р	Isopropyl Alcohol	167	500	ND	Р
2-Butanone	167	500	ND	Р	Isopropylbenzene	167	500	ND	Р
Chloroform	2	6	ND	Р	Methanol	20	60	ND	Р
Cyclohexane	129	388	ND	Р	2-Methylbutane	10	29	ND	Р
1,2-Dichloroethane	0.5	1	ND	Р	Methylene Chloride	20	60	ND	Р
1,2-Dimethoxyethane	4	10	ND	P	2-Methylpentane	2	6	ND	Р
Dimethyl Sulfoxide	167	500	ND	Р	3-Methylpentane	2	6	ND	Р
N,N-Dimethylacetamide	37	109	ND	Р	n-Pentane	33	100	ND	Р
2,2-Dimethylbutane	2	6	ND	Р	1-Pentanol	167	500	ND	Р
2,3-Dimethylbutane	2	6	ND	Р	n-Propane	33	100	ND	Р
N,N-Dimethylformamide	30	88	ND	Р	1-Propanol	167	500	ND	Р
2,2-Dimethylpropane	167	500	ND	Р	Pyridine	7	20	ND	Р
1,4-Dioxane	13	38	ND	Р	Tetrahydrofuran	24	72	ND	Р
Ethanol	167	500	ND	Р	Toluene	6	18	ND	Р
2-Ethoxyethanol	6	16	ND	Р	Trichloroethylene	3	8	ND	Р
Ethyl Acetate	167	500	ND	Р	Xylenes (o-, m-, and p-)	14	43	ND	Р
Ethyl Ether	167	500	ND	Р					
Ethylbenzene	3	7	ND	Р					

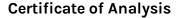
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Generated By: Alex Morris Quality Manager Date: 09/26/2025 Kelsey Rogers

Tested By: Kelsey Rogers Scientist Date: 09/19/2025







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Lic. #: 405998

## **Reporting Limit Appendix**

#### Heavy Metals - KY 902 KAR 45:190

Analyte	Lin	nit (ppı	m) Analyte	Limit (ppm)
Arsenic		1.5	Lead	0.5
Cadmium		0.5	Mercury	1.5

#### Microbials - KY 902 KAR 45:190

Analyte	Limit (CFU/ g)	Analyte	Limit (CFU/ g)
Total coliforms	100	Total aerobic count	10000
Bile-tolerant gram-negative bacteria	1000		
Total yeast and mold count (TYMC)	100000		

#### Residual Solvents - KY 902 KAR

45:190 & USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	1000	Ethylene Oxide	1
Acetonitrile	410	Heptane	1000
Benzene	2	n-Hexane	60
Butane	1000	Isobutane	1000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	600
Cyclohexane	3880	2-Methylbutane	290
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	60
Dimethyl Sulfoxide	5000	3-Methylpentane	60
N,N-Dimethylacetamide	1090	n-Pentane	1000
2,2-Dimethylbutane	60	1-Pentanol	5000
2,3-Dimethylbutane	60	n-Propane	1000
N,N-Dimethylformamide	880	1-Propanol	5000
2,2-Dimethylpropane	5000	Pyridine	200
1,4-Dioxane	380	Tetrahydrofuran	720
Ethanol	5000	Toluene	180
2-Ethoxyethanol	160	Trichloroethylene	80
Ethyl Acetate	1000	Xylenes (o-, m-, and p-)	430
Ethyl Ether	5000		
Ethylbenzene	70		

#### Pesticides - KY 902 KAR 45:190

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	500	Hexythiazox	1000
Acephate	400	Imazalil	200
Acequinocyl	2000	Imidacloprid	400
Acetamiprid	200	Kresoxim methyl	400
Aldicarb	400	Malathion	200
Azoxystrobin	200	Metalaxyl	200
Bifenazate	200	Methiocarb	200
Bifenthrin	200	Methomyl	400
Boscalid	400	Mevinphos	
Captan		Myclobutanil	200
Carbaryl	200	Naled	500
Carbofuran	200	Oxamyl	1000
Chloranthraniliprole	200	Paclobutrazol	400
Chlordane		Parathion methyl	200
Chlorfenapyr	1000	Pentachloronitrobenzene	
Chlorpyrifos	200	Permethrin	200
Clofentezine	200	Phosmet	200
Coumaphos		Piperonyl Butoxide	2000
Cyfluthrin	1000	Prallethrin	200
Daminozide	1000	Propiconazole	400
Diazinon	200	Propoxur	200
Dichlorvos	100	Pyrethrins	1000
Dimethoate	200	Pyridaben	200
Dimethomorph		Spinetoram	
Ethoprophos	200	Spinosad	200
Etofenprox	400	Spiromesifen	200
Etoxazole	200	Spirotetramat	200
Fenhexamid		Spiroxamine	400
Fenoxycarb	200	Tebuconazole	400
Fenpyroximate	400	Thiacloprid	200
Fipronil	400	Thiamethoxam	200
Flonicamid	1000	Trifloxystrobin	200
Fludioxonil	400		

#### Mycotoxins - KY 902 KAR 45:190

Analyte	Limit (ppk	) Analyte	Limit (ppb)
В1	5	B2	5
G1	5	G2	5
Ochratoxin A	20		

