

GUIDE TO ANALYZING CANNABIS LAB TESTS

Courtesy of
TRIBETOKES

CHECK PRODUCT DETAILS

Before diving into numbers, check that the lab report matches the product:

- Product name / strain
- Batch / lot number
- Sample ID
- Test date
- Lab name & certification



KCA Laboratories

232 North Plaza Drive
Nicholasville, KY 40356

+1-833-KCA-LABS

<https://kcalabs.com>
KDA Lic.# P_0058

Certificate of Analysis

1 of 7

Live THCa Vape - White Widow

Sample ID: SA-250407-59863
Batch: 1630_LDPE_022825
Type: Finished Product - Inhalable
Matrix: Concentrate - Vape
Unit Mass (g):

Collected: 02/28/2025
Received: 04/02/2025
Completed: 03/18/2025

Client
Tribetokes
55 Madison Avenue, Suite 400
Morristown, NJ 07960
USA

Summary

Test	Date Tested	Status
Cannabinoids	03/05/2025	Tested
Heavy Metals	03/10/2025	Passed
Microbials	03/10/2025	Passed
Mycotoxins	03/18/2025	Passed
Pesticides	03/18/2025	Passed
Residual Solvents	03/18/2025	Passed

0.206 %	48.1 %	78.7 %	Not Tested	Not Tested	Yes
Δ9-THC	Δ9-THCA	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

Cannabinoids by HPLC-PDA

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBGA	0.0081	0.0543	0.906	9.06
CBV	0.006	0.08	ND	ND
CBD	0.0081	0.0242	10.4	104
CBDA	0.0043	0.013	12	12
CBDV	0.0061	0.0182	0.376	3.76
CBDA	0.0021	0.0063	0.130	1.30
CBG	0.0027	0.0172	5.10	51.0
CBGA	0.0049	0.0147	0.346	3.46
CBL	0.012	0.0335	ND	ND
CBLA	0.0024	0.0071	ND	ND
CBN	0.0058	0.0183	0.0446	0.446
CBNA	0.006	0.0181	0.23	2.3
CBT	0.008	0.024	1.08	10.8
Δ8-THC	0.0104	0.032	ND	ND
Δ9-THC	0.0076	0.0227	0.206	2.06
Δ9-THCA	0.0084	0.0291	48.1	481
Δ9-THCV	0.0019	0.0056	ND	ND
Δ9-THCVA	0.0012	0.0036	0.523	5.23
Total Δ9-THC			42.4	424
Total			78.7	787

ND = Not Detected, NT = Not Tested, LOD = Limit of Detection, LOQ = Limit of Quantitation, BL = Reporting Limit, A = Delta, Total Δ9-THC = Δ8-THC + Δ9-THC, Total CBD = CBDA + Δ9-THC + CBD.

CANNABINOID POTENCY

This shows the amount and percentage of cannabinoids. Potency affects strength and expected effects.

Look for:

- **THC (Δ9-THC)** - Main psychoactive compound
- **THCA** - Non-psychoactive, but converts to THC when heated
- **Delta 8 THC** - Similar to THC but “lighter” with less side effects
- **CBD** - Non-intoxicating; therapeutic benefits
- **CBG, CBN, CBC** - Minor cannabinoids, each with unique effects

Cannabinoid potency depends on the product type. Edibles potency should be within ~20% +/- the stated mg on the package. Flower typically has 15-25% THC, while vapes & concentrates are much higher (40-95% of the product).

CONTAMINANT & SAFETY TESTS

These tests are critical for health and legal compliance. These ensure the product is safe for consumption. Look for **“Pass”** or **ND (Not Detected)**.

Required Safety Tests:

- Heavy Metals** - Must be under acceptable limits
- Pesticides** - Residues from cultivation
- Mycotoxins** - Fungal toxins (aflatoxins)
- Microbials** - E. coli, Salmonella, mold, yeast
- Residual Solvents** - In high quality extracts, all chemicals used in the extraction process are safely removed before use. This is similar to the process for vanilla extract, canola oil etc.

Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Arsenic	0.002	0.02	ND	P
Cadmium	0.001	0.02	ND	P
Lead	0.002	0.02	<LOQ	P
Mercury	0.012	0.05	ND	P

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

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	P	Hexythiazox	30	100	ND	P
Acephate	30	100	ND	P	Imazalil	30	100	ND	P
Acetamiprid	30	100	ND	P	Imidacloprid	30	100	ND	P
Aldicarb	30	100	ND	P	Kresoxim methyl	30	100	ND	P
Azoxystrobin	30	100	ND	P	Malathion	30	100	ND	P
Bifenazate	30	100	ND	P	Metaxyl	30	100	ND	P
Bifenthrin	30	100	ND	P	Methiocarb	30	100	ND	P
Boscalid	30	100	ND	P	Methomyl	30	100	ND	P
Carbaryl	30	100	ND	P	Mevinphos	30	100	ND	P
Carbofuran	30	100	ND	P	Myclobutanil	30	100	ND	P
Chloranthraniliprole	30	100	ND	P	Naled	30	100	ND	P
Chlorfenapyr	30	100	ND	P	Oxamyl	30	100	ND	P
Chlorpyrifos	30	100	ND	P	Pacllobutrazol	30	100	ND	P
Clofentezine	30	100	ND	P	Permethrin	30	100	ND	P
Coumaphos	30	100	ND	P	Phosmet	30	100	ND	P
Cypermethrin	30	100	ND	P	Piperonyl Butoxide	30	100	ND	P
Daminozide	30	100	ND	P	Propiconazole	30	100	ND	P
Diazinon	30	100	ND	P	Propoxur	30	100	ND	P
Dichlorvos	30	100	ND	P	Pyridaben	30	100	ND	P
Dimethoate	30	100	ND	P	Spinetoram	30	100	ND	P
Dimethomorph	30	100	ND	P	Spinosad	30	100	ND	P
Ethoprophos	30	100	ND	P	Spiromesifen	30	100	ND	P
Etofenprox	30	100	ND	P	Spirotetramat	30	100	ND	P
Etioazale	30	100	ND	P	Spiroxamine	30	100	ND	P
Fenhexamid	30	100	ND	P	Tebuconazole	30	100	ND	P
Fenoxycarb	30	100	ND	P	Thiacloprid	30	100	ND	P
Fenpyroximate	30	100	ND	P	Thiamethoxam	30	100	ND	P
Fipronil	30	100	ND	P	Trifloxystrobin	30	100	ND	P
Flonicamid	30	100	ND	P					
Fludioxonil	30	100	ND	P					

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

Mycotoxins by LC-MS/MS

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

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

Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)	P/F
Total aerobic count	10	<RL		P
Total coliforms	10	ND		P
Generic E. coli	10	ND		P
Salmonella spp.	1		Not Detected per 1 gram	P
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram	P

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit

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

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

Look for **ISO/IEC 17025 accreditation**. This ensures reliable, unbiased testing.



KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

1 of 2

Live THC-A Vape - White Widow

Sample ID: SA-250407-50863
Batch: 1630_LDPE_022825
Type: Finished Product - Inhalable
Matrix: Concentrate - Vape
Unit Mass (g):

Collected: 02/28/2025
Received: 04/02/2025
Completed: 03/18/2025

Client
TribeTokes
55 Madison Avenue, Suite 400
Morristown, NJ 07960
USA



Summary

Test

- Cannabinoids
- Heavy Metals
- Microbials
- Mycotoxins
- Pesticides
- Residual Solvents

Date Tested

03/05/2025

03/12/2025

03/10/2025

03/18/2025

03/18/2025

03/18/2025

Status

Tested

Passed

Passed

Passed

Passed

Passed

0.206 %

Δ9-THC

48.1 %

Δ9-THCA

78.7 %

Total Cannabinoids

Not Tested

Moisture Content

Not Tested

Foreign Matter

Yes

Internal Standard Normalization

Cannabinoids by HPLC-PDA

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0093	0.0394	ND	ND
CBCA	0.0081	0.0543	0.906	9.06
CBV	0.006	0.008	ND	ND
CBG	0.0081	0.0242	10.4	104
CBDA	0.0043	0.013	8.2	82
CBGV	0.0001	0.0082	0.376	3.76
CBGVA	0.0021	0.0063	0.130	1.30
CBG	0.0057	0.0172	5.10	51.0
CBGA	0.0049	0.0147	0.346	3.46
CBL	0.012	0.0305	ND	ND
CBLA	0.024	0.0371	ND	ND
CBN	0.0056	0.0093	0.0446	0.446
CBNA	0.006	0.0081	0.231	2.31
CBT	0.018	0.054	1.08	10.8
Δ8-THC	0.0064	0.0382	ND	ND
Δ9-THC	0.0076	0.0227	0.206	2.06
Δ9-THCA	0.0084	0.0258	48.1	481
Δ9-THCV	0.0069	0.0204	ND	ND
Δ9-THCVA	0.0082	0.0086	0.523	5.23
Total Δ9-THC			42.4	424
Total			78.7	787

ND = Not Detected, NT = Not Tested, LOD = Limit of Detection, LOQ = Limit of Quantitation, RL = Reporting Limit, Δ = Delta, Total Δ8-THC + Δ9-THC + Δ8-THCVA + Δ9-THCVA + Δ9-THC + Δ9-THCA + Δ9-THCV + Δ9-THCVA = 78.7

Generated By Ryan Bellone
CCO
Date: 04/02/2025

Tested By Scott Caudill
Laboratory Manager
Date: 03/05/2025



IAC-MRA
ISO/IEC 17025:2017 Accredited
Accreditation #0880



FPA
FARMACY
Accreditation #0880



This product or substance has been tested 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 meet laboratory method or claims as to 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 can provide measurement uncertainty upon request.

RED FLAGS TO WATCH FOR

- No lab info or signature
- Outdated test date (>12 months old)
- Very high THC (>35% for flower) – May be exaggerated
- Missing contaminant test
- No batch or product ID