1 of 8

Twenty One - 3ml Disposable Vape - THCA Liquid Diamonds - Grape Soda - Hybrid

KCA Laboratories

232 North Plaza Drive

Nicholasville, KY 40356

Sample ID: SA-250307-58411 Batch: 242002032605

Type: Finished Product - Inhalable

Matrix: Concentrate - Distillate Unit Mass (g):

Received: 03/12/2025 Completed: 03/25/2025 Client

Twenty One 1291 Northwest 65th Pl Fort Lauderdale, FL 33309

USA





Summary

Date Tested Test 03/25/2025 Cannabinoids 03/15/2025 Foreign Matter Heavy Metals 03/25/2025 03/21/2025 Microbials 03/25/2025 Mycotoxins Pesticides 03/25/2025 Residual Solvents 03/25/2025

Tested
Tested
Passed
Passed
Passed
Passed
Passed
Passed

ND Δ9-THC **70.6 %** Δ8-THC **87.3** % Total Cannabinoids

Not Tested

Moisture Content

Not Detected

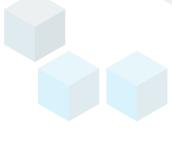
Foreign Matter

Yes

Internal Standard Normalization









CCO Date: 03/25/2025



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Twenty One - 3ml Disposable Vape - THCA Liquid Diamonds - Grape Soda - Hybrid

Sample ID: SA-250307-58411 Batch: 242002032605

Type: Finished Product - Inhalable Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 03/12/2025 Completed: 03/25/2025 Client

Twenty One 1291 Northwest 65th Pl Fort Lauderdale, FL 33309

USA

Cannabinoids by HPLC-PDA and GC-MS/MS

			D 11	B lt
Analyte	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	ND ND	ND
CBDA	0.0043	0.013	ND ND	ND ND
CBDP	0.0067	0.02	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	1.10	11.0
CBNA	0.006	0.0181	ND ND	ND
CBNP	0.0067	0.02	ND	ND
CBT	0.018	0.054	ND	ND
Δ4,8-iso-THC	0.0067	0.02	2.23	22.3
Δ6a,10a-THC	0.0067	0.02	ND	ND
Δ8-iso-THC	0.0067	0.02	0.116	1.16
Δ8-THC	0.0104	0.0312	70.6	706
Δ8-THCP	0.0067	0.02	ND	ND
Δ8-THCV	0.0067	0.02	0.338	3.38
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCA	0.0084	0.0251	8.00	80.0
Δ9-THCP	0.0067	0.02	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
(6aR,9R)-Δ10-THC	0.0067	0.02	ND	ND
(6a R,9S)-Δ10-THC	0.0067	0.02	ND	ND
exo-THC	0.0067	0.02	ND	ND
(6aR,9R,10aR)-HHC	0.0067	0.02	2.93	29.3
(6aR,9S,10aR)-HHC	0.0067	0.02	1.99	19.9
Total Δ9-THC			7.02	70.2
Total			87.3	873

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ 9-THC = Δ 9-THCA * 0.877 + Δ 9-THC; Total CBD = CBDA * 0.877 + CBD;

Generated By: Ryan Bellone CCO

Date: 03/25/2025

Tested By: Scott Caudill Laboratory Manager Date: 03/25/2025







ISO/IEC 17025:2017 Accredited Accreditation #108651

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Twenty One - 3ml Disposable Vape - THCA Liquid Diamonds - Grape Soda - Hybrid

Sample ID: SA-250307-58411 Batch: 242002032605

Type: Finished Product - Inhalable Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 03/12/2025 Completed: 03/25/2025 Client

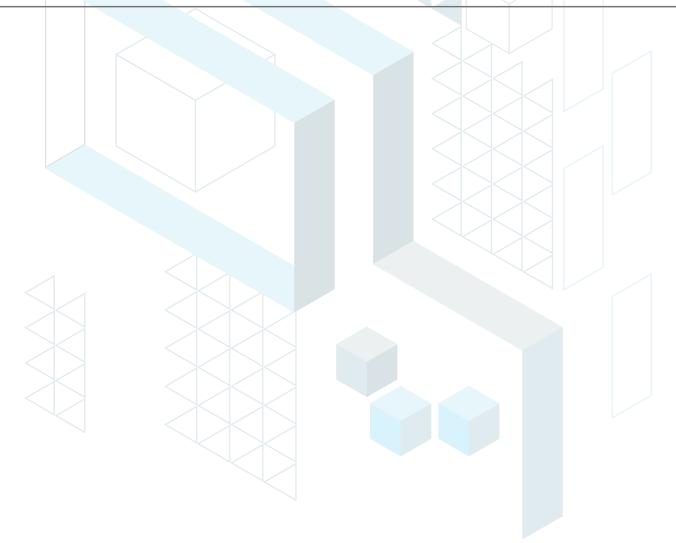
Twenty One 1291 Northwest 65th Pl Fort Lauderdale, FL 33309

JSA

Heavy Metals by ICP-MS

Analyte	LOD (ppm) LOQ (ppm)	Result (ppm)	P/F
Arsenic	0.002	0.02	ND	Р
Cadmium	0.001	0.02	ND	P
Lead	0.002	0.02	ND	Р
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



Generated By: Ryan Bellone

CCO 03/25/2025 Tested By: Chris Farman Scientist



Date: 03/25/2025

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 can provide measurement uncertainty upon request.

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Twenty One - 3ml Disposable Vape - THCA Liquid Diamonds - Grape Soda - Hybrid

Sample ID: SA-250307-58411

Batch: 242002032605 Type: Finished Product - Inhalable

Matrix: Concentrate - Distillate Unit Mass (g):

Received: 03/12/2025 Completed: 03/25/2025 Client

Twenty One 1291 Northwest 65th Pl Fort Lauderdale, FL 33309

JSA

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

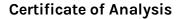
Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Abamectin	30	100	ND	Р	Hexythiazox	30	100	ND	Р
Acephate	30	100	ND	Р	lmazalil	30	100	ND	Р
Acetamiprid	30	100	ND	Р	Imidacloprid	30	100	ND	Р
Aldicarb	30	100	ND	Р	Kresoxim methyl	30	100	ND	Р
Azoxystrobin	30	100	ND	Р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

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

CCO Date: 03/25/2025 Tested By: Anthony Mattingly Scientist Date: 03/25/2025







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Twenty One - 3ml Disposable Vape - THCA Liquid Diamonds - Grape Soda - Hybrid

Sample ID: SA-250307-58411 Batch: 242002032605 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate

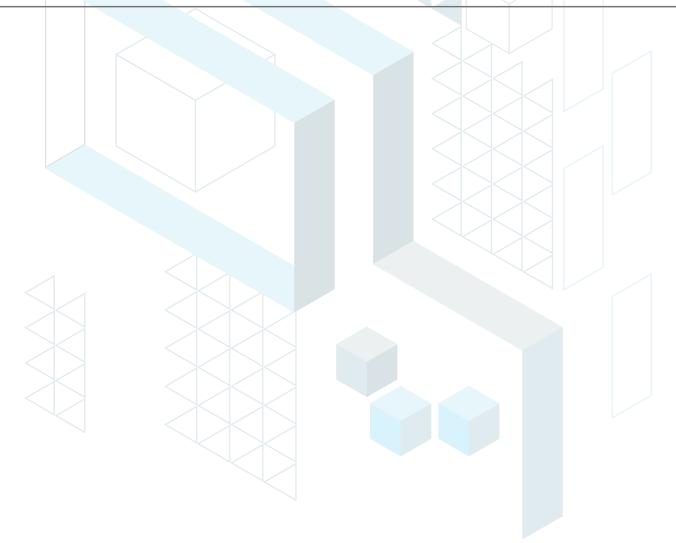
Received: 03/12/2025 Completed: 03/25/2025 Client Twenty One 1291 Northwest 65th PI Fort Lauderdale, FL 33309

Unit Mass (g):

Mycotoxins by LC-MS/MS

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

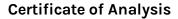
ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



Generated By: Ryan Bellone CCO

Tested By: Anthony Mattingly Scientist Date: 03/25/2025







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Twenty One - 3ml Disposable Vape - THCA Liquid Diamonds - Grape Soda - Hybrid

Sample ID: SA-250307-58411 Batch: 242002032605

Type: Finished Product - Inhalable Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 03/12/2025 Completed: 03/25/2025 Client

Twenty One 1291 Northwest 65th Pl Fort Lauderdale, FL 33309

JSA

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	P
Aspergillus fumigatus	1		Not Detected per 1 gram	Р
Aspergillus niger	1		Not Detected per 1 gram	P
Aspergillus terreus	1		Not Detected per 1 gram	P
Total coliforms	10	ND		P
Enterobacteriaceae	10	ND		P
Generic E. coli	10	ND		P
Salmonella spp.	1		Not Detected per 1 gram	Р
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram	P
Total yeast and mold count (TYMC)	10	ND		Р

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

Red

Generated By: Ryan Bellone CCO

Date: 03/25/2025

Tested By: Sara Cook Laboratory Technician

Date: 03/21/2025



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Twenty One - 3ml Disposable Vape - THCA Liquid Diamonds - Grape Soda - Hybrid

Sample ID: SA-250307-58411 Batch: 242002032605

Type: Finished Product - Inhalable Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 03/12/2025 Completed: 03/25/2025 Client

Twenty One 1291 Northwest 65th Pl Fort Lauderdale, FL 33309

Residual Solvents by HS-GC-MS

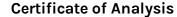
Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Acetone	167	500	ND	P	Ethylene Oxide	0.5	1	ND ND	P
Acetonitrile	14	41	ND	Р	Heptane	167	500	ND	Р
Benzene	0.5	1	ND	Р	n-Hexane	10	29	ND	Р
Butane	167	500	ND	Р	Isobutane	167	500	ND	Р
1-Butanol	167	500	ND	Р	Isopropyl Acetate	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	100	300	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	10	29	ND	Р
Dimethyl Sulfoxide	167	500	ND	Р	3-Methylpentane	10	29	ND	Р
N,N-Dimethylacetamide	37	109	ND	Р	n-Pentane	167	500	ND	Р
2,2-Dimethylbutane	10	29	ND	Р	1-Pentanol	167	500	ND	Р
2,3-Dimethylbutane	10	29	ND	Р	n-Propane	167	500	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	30	89	ND	Р
2-Ethoxyethanol	6	16	ND	Р	Trichloroethylene	3	8	ND	Р
Ethyl Acetate	167	500	ND	Р	Xylenes (o-, m-, and p-)	73	217	ND	Р
Ethyl Ether	167	500	ND	Р					
Ethylbenzene	3	7	ND	Р			1		

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 CCO Date: 03/25/2025

Tested By: Kelsey Rogers Scientist Date: 03/25/2025







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Twenty One - 3ml Disposable Vape - THCA Liquid Diamonds - Grape Soda - Hybrid

Sample ID: SA-250307-58411 Batch: 242002032605

Type: Finished Product - Inhalable Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 03/12/2025 Completed: 03/25/2025 Client

Twenty One 1291 Northwest 65th Pl Fort Lauderdale, FL 33309

USA

Reporting Limit Appendix

Heavy Metals - KY 902 KAR 45:190

Analyte	Limit (ppm	n) Analyte	Limit (ppm)
Arsenic	1.5	Lead	0.5
Cadmium	0.5	Mercury	1.5

Microbials -

Analyte	Limit (CFU/	Analyte	Limit (CFU/ g)
Total coliforms	100	Total aerobic count	10000
Total yeast and mold count	1000		

Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	5000	Ethylene Oxide	1
Acetonitrile	410	Heptane	5000
Benzene	2	n-Hexane	290
Butane	5000	Isobutane	5000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	3000
Cyclohexane	3880	2-Methylbutane	290
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	290
Dimethyl Sulfoxide	5000	3-Methylpentane	290
N,N-Dimethylacetamide	1090	n-Pentane	5000
2,2-Dimethylbutane	290	1-Pentanol	5000
2,3-Dimethylbutane	290	n-Propane	5000
N,N-Dimethylformamide	880	1-Propanol	5000
2,2-Dimethylpropane	5000	Pyridine	200
1,4-Dioxane	380	Tetrahydrofuran	720
Ethanol	5000	Toluene	890
2-Ethoxyethanol	160	Trichloroethylene	80
Ethyl Acetate	5000	Xylenes (o-, m-, and p-)	2170
Ethyl Ether	5000		
Ethylbenzene	70		

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	300	Hexythiazox	2000
Acephate	5000	Imazalil	30
Acetamiprid	5000	Imidacloprid	3000
Aldicarb	30	Kresoxim methyl	1000
Azoxystrobin	40000	Malathion	5000
Bifenazate	5000	Metalaxyl	15000
Bifenthrin	500	Methiocarb	30
Boscalid	10000	Methomyl	100
Carbaryl	500	Mevinphos	30
Carbofuran	30	Myclobutanil	9000
Chloranthraniliprole	40000	Naled	500
Chlorfenapyr	30	Oxamyl	200
Clofentezine	500	Paclobutrazol	30
Coumaphos	30	Permethrin	20000
Cypermethrin	1000	Phosmet	200
Daminozide	30	Piperonyl Butoxide	8000
Diazinon	200	Prallethrin	400
Dichlorvos	30	Propiconazole	20000
Dimethoate	30	Propoxur	30
Dimethomorph	20000	Pyridaben	3000
Ethoprophos	30	Spinetoram	3000
Etofenprox	30	Spinosad	3000
Etoxazole	1500	Spiromesifen	12000
Fenhexamid	10000	Spirotetramat	13000
Fenoxycarb	30	Spiroxamine	30
Fenpyroximate	2000	Tebuconazole	2000
Fipronil	30	Thiacloprid	30
Flonicamid	2000	Thiamethoxam	4500
Fludioxonil	30000	Trifloxystrobin	30000

Mycotoxins - Colorado CDPHE

Analyte	Limit (ppb) Analyte	Limit (ppb)
B1	5 G2	5
G1	5	
Ochratoxin A	5	

