

Product Testing and Compliance Assurance

- 1) Our products undergo rigorous testing at KCA labs, a premier testing institution, employing both HPLC and MS/GC methodologies. These are the definitive techniques for accurately determining the Delta 9 THC concentration in our offerings. Additionally, we conduct thorough screenings for Pesticides, Heavy Metals, Mycotoxins, Microbials, and Residual Solvents.
- 2) We meticulously evaluate our primary cannabinoid batch, which is utilized across all strains. This ensures an accurate representation of the Cannabinoid composition without terpenes and assures complete compliance. Furthermore, the raw materials incorporated into our products are tested, and a detailed report can be shared upon request.
- 3) For consistent assurance of product legality, we conduct regular assessments at the same laboratory frequented by the Texas State Police and the DEA. This ensures that our products continuously adhere to state regulations. You can find a recent test result at the conclusion of this document.

Traceability and adherence to regulations are paramount to us. Hence, every product of ours comes with a distinct batch code, linking it back to its respective COA. Rest assured; all our offerings are in line with the 2018 Agricultural Improvement Act (Farm Bill).

Please find below the COA corresponding to the batch code on your product's packaging. Should you have any queries or require clarification regarding this test, don't hesitate to reach out at r.stewart@frozenfields.live or call 503 433 5180. We are always available to guide you through the results or provide any additional information you might need.

Regards,

Reid Stewart Head of Compliance Frozen Fields LLC

1 of **7**

Status

Tested

Passed

Passed

Passed

Passed

Passed

PEGE18E01 D8 Cartridge Citrus Kush

Sample ID: SA-230926-27510 Batch: 5/18/2023 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate Unit Mass (g):

Received: 05/22/2023 Completed: 05/25/2023 Client

Abundant Labs 289 Silkwood Dr Canton, NC 28716 USA

USA Lic. #: HP440





Summary

 Test
 Date Tested

 Cannabinoids
 05/25/2023

 Heavy Metals
 05/25/2023

 Microbials
 05/24/2023

 Mycotoxins
 05/24/2023

 Pesticides
 05/24/2023

 Residual Solvents
 05/25/2023

ND Total Δ9-THC **90.9 %** Δ8-THC **93.2** % Total Cannabinoids

Not Tested

Moisture Content

Not TestedForeign Matter

Yes
Internal Standard
Normalization

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

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
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	0.158	1.58
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	1.80	18.0
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	ND	ND
Δ8-THC	0.0104	0.0312	90.9	909
Δ8-THCV	0.0067	0.02	0.204	2.04
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-ΤΗCA	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-ΤΗCVA	0.0062	0.0186	ND	ND
exo-THC	0.0067	0.02	0.144	1.44
Δ8-iso-THC	0.0067	0.02	ND	ND
Δ4,8-iso-THC	0.0067	0.02	ND	ND
Total Δ9-THC			ND	ND
Total		74	93.2	932

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;

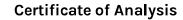
Generated By: Ryan Bellone CCO Tested By: Ryan Bellone CCO Date: 05/25/2023







ISO/IEC 17025:2017 Accredited
Accreditation #108651



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PEGE18E01 D8 Cartridge All Strains

Sample ID: SA-230926-27510 Batch: 5/18/2023 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate Unit Mass (g):

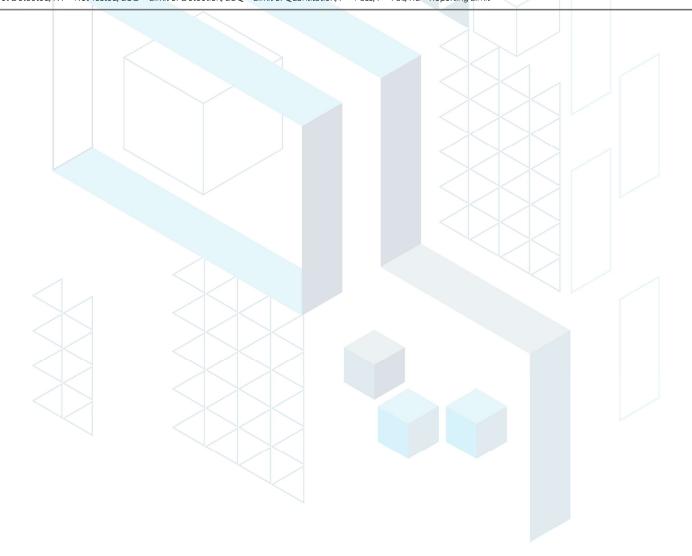
Received: 05/22/2023 Completed: 05/25/2023 Client
Abundant Labs
289 Silkwood Dr
Canton, NC 28716
USA

Lic. #: HP440

Heavy Metals by ICP-MS

Arsenic 2 20 ND P Cadmium 1 20 ND P Lead 2 20 ND P Mercury 12 50 ND P	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F	
Lead 2 20 ND P	Arsenic	2	20	ND	Р	
	Cadmium	1	20	ND	Р	
Mercury 12 50 ND P	Lead	2	20	ND	Р	
3	Mercury	12	50	ND	P	

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



Generated By: Ryan Bellone

CCO Date: 09/26/2023 Tested By: Ryan Bellone

CCO Date: 05/25/2023



PEGE18E01 D8 Cartridge All Strains

Sample ID: SA-230926-27510 Batch: 5/18/2023

Type: Finished Product - Inhalable Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 05/22/2023 Completed: 05/25/2023 Client

Abundant Labs 289 Silkwood Dr Canton, NC 28716

USA Lic. #: HP440

Pesticides by LC-MS/MS

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

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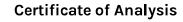
Generated By: Ryan Bellone

CCO Date: 09/26/2023 Tested By: Ryan Bellone

CCO

Date: 05/24/2023







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PEGE18E01 D8 Cartridge All Strains

Sample ID: SA-230926-27510 Batch: 5/18/2023 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate

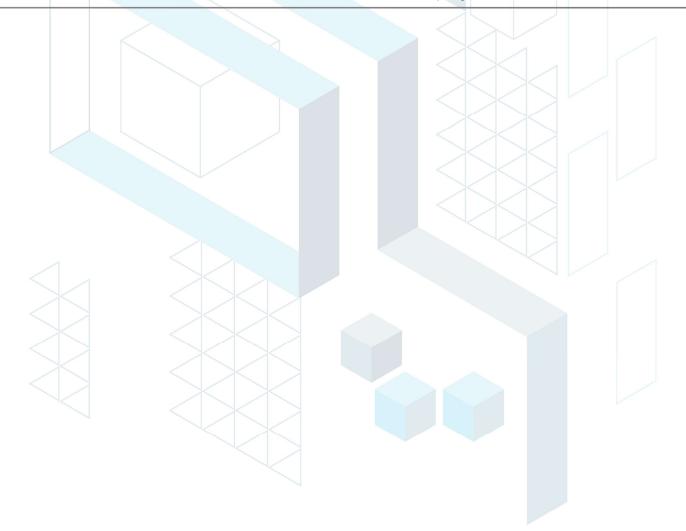
Unit Mass (g):

Received: 05/22/2023 Completed: 05/25/2023 Client
Abundant Labs
289 Silkwood Dr
Canton, NC 28716
USA
Lic. #: HP440

Mycotoxins by LC-MS/MS

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



Generated By: Ryan Bellone

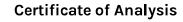
CCO Date: 09/26/2023 Tested By: Ryan Bellone

CCO

Date: 05/24/2023



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 and provide measurement uncertainty upon request.





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PEGE18E01 D8 Cartridge All Strains

Sample ID: SA-230926-27510 Batch: 5/18/2023 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate Unit Mass (g):

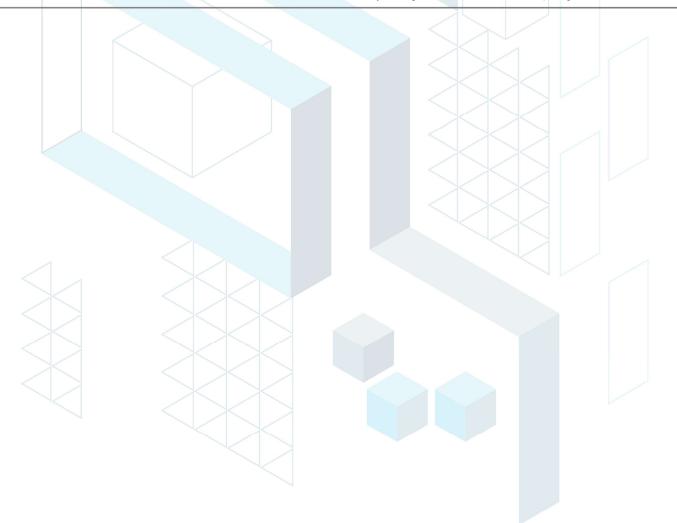
Received: 05/22/2023 Completed: 05/25/2023 Client
Abundant Labs
289 Silkwood Dr
Canton, NC 28716
USA

Lic. #: HP440

Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	P/F
Total aerobic count	1	ND	P
Total coliforms	1	ND	P
Generic E. coli	1	ND	P
Salmonella spp.	1	ND	Р
Shiga-toxin producing E. coli (STEC)	1	ND	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



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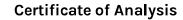
Date: 09/26/2023

Tested By: Ryan Bellone

CCO Date: 05/24/2023



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PEGE18E01 D8 Cartridge All Strains

Sample ID: SA-230926-27510 Batch: 5/18/2023 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 05/22/2023 Completed: 05/25/2023 Client

Abundant Labs 289 Silkwood Dr Canton, NC 28716

USA Lic. #: HP440

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 Glycol	21	62	ND	Р
Acetonitrile	14	41	ND	Р	Ethylene Oxide	0.5	7	ND	Р
Benzene	0.5	1	ND	Р	Heptane	167	500	ND	Р
Butane	167	500	ND	Р	n-Hexane	10	29	ND	Р
1-Butanol	167	500	ND	P	Isobutane	167	500	ND	Р
2-Butanol	167	500	ND	Р	Isopropyl Acetate	167	500	ND	Р
2-Butanone	167	500	ND	Р	Isopropyl Alcohol	167	500	ND	Р
Chloroform	2	6	ND	Р	Isopropylbenzene	167	500	ND	Р
Cyclohexane	129	388	ND	Р	Methanol	100	300	ND	Р
1,2-Dichloroethane	0.5	1	ND	Р	2-Methylbutane	10	29	ND	Р
1,2-Dimethoxyethane	4	10	ND	Р	Methylene Chloride	20	60	ND	Р
Dimethyl Sulfoxide	167	500	ND	Р	2-Methylpentane	10	29	ND	Р
N,N-Dimethylacetamide	37	109	ND	Р	3-Methylpentane	10	29	ND	Р
2,2-Dimethylbutane	10	29	ND	Р	n-Pentane	167	500	ND	Р
2,3-Dimethylbutane	10	29	ND	Р	1-Pentanol	167	500	ND	Р
N,N-Dimethylformamide	30	88	ND	Р	n-Propane	167	500	ND	Р
2,2-Dimethylpropane	167	500	ND	Р	1-Propanol	167	500	ND	Р
1,4-Dioxane	13	38	ND	Р	Pyridine	7	20	ND	Р
Ethanol	167	500	ND	Р	Tetrahydrofuran	24	72	ND	Р
2-Ethoxyethanol	6	16	ND	Р	Toluene	30	89	ND	Р
Ethyl Acetate	167	500	ND	Р	Trichloroethylene	3	8	ND	Р
Ethyl Ether	167	500	ND	Р	Tetramethylene Sulfone	6	16	ND	Р
Ethylbenzene	3	7	ND	Р	Xylenes (o-, m-, and p-)	73	217	ND	Р

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RAL

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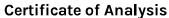
Date: 09/26/2023

Tested By: Ryan Bellone

CCO Date: 05/25/2023



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PEGE18E01 D8 Cartridge All Strains

Sample ID: SA-230926-27510 Batch: 5/18/2023 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate Unit Mass (g):

Received: 05/22/2023 Completed: 05/25/2023 Client

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Lic. #: HP440

Reporting Limit Appendix

Heavy Metals - Colorado CDPHE

Analyte	Limit (ppb) Analyte	Limit (ppb)
Arsenic	1500	Lead	500
Cadmium	500	Mercury	1500

Microbials -

Analyte	Limit (CFU/	Analyte	Limit (CFU/
Total coliforms	100	Total aerobic count	100000

Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm
Acetone	5000	Ethylene Glycol	620
Acetonitrile	410	Ethylene Oxide	1
Benzene	2	Heptane	5000
Butane	5000	n-Hexane	290
1-Butanol	5000	Isobutane	5000
2-Butanol	5000	Isopropyl Acetate	5000
2-Butanone	5000	Isopropyl Alcohol	5000
Chloroform	60	Isopropylbenzene	5000
Cyclohexane	3880	Methano l	3000
1,2-Dichloroethane	5	2-Methylbutane	290
1,2-Dimethoxyethane	100	Methylene Chloride	600
Dimethyl Sulfoxide	5000	2-Methylpentane	290
N,N-Dimethylacetamide	1090	3-Methylpentane	290
2,2-Dimethylbutane	290	n-Pentane	5000
2,3-Dimethylbutane	290	1-Pentanol	5000
N,N-Dimethylformamide	880	n-Propane	5000
2,2-Dimethylpropane	5000	1-Propanol	5000
1,4-Dioxane	380	Pyridine	200
Ethanol	5000	Tetrahydrofuran	720
2-Ethoxyethanol	160	Toluene	890
Ethyl Acetate	5000	Trichloroethylene	80
Ethyl Ether	5000	Tetramethylene Sulfone	160
Ethylbenzene	70	Xylenes (o-, m-, and p-)	2170

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Aldicarb	30	Imidadoprid	3000
Azoxystrobin	40000	Kresoxim methyl	1000
Bifenazate	5000	Malathion	5000
Bifenthrin	500	Metalaxyl	15000
Boscalid	10000	Methiocarb	30
Carbaryl	500	Methomy	100
Carbofuran	30	Mevinphos	30
Chloranthraniliprole	40000	Myclobutanil	9000
Chlorfenapyr	30	Naled	500
Chlorpyrifos	30	Oxamyl	200
Clofentezine	500	Padobutrazol	30
Coumaphos	30	Permethrin	20000
Daminozide	30	Phosmet	200
Diazinon	200	Piperonyl Butoxid	e 8000
Dichlorvos	30	Prallethrin	400
Dimethoate	30	Propiconazole	20000
Dimethomorph	20000	Propoxur	30
Ethoprophos	30	Pyrethrins	1000
Etofenprox	30	Pyridaben	3000
Etoxazole	1500	Spinetoram	3000
Fenhexamid	10000	Spinosad	3000
Fenoxycarb	30	Spiromesifen	12000
Fenpyroximate	2000	Spirotetramat	13000
Fipronil	30	Spiroxamine	30
Flonicamid	2000	Tebuconazo l e	2000
F l udioxoni l	30000	Thiadoprid	30

Mycotoxins - Colorado CDPHE

Analyte	Limit (ppm) Analyte	Limit (ppm)
B1	5 B2	5
C1	5 G2	5
Ochratoxin A	5	

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acephate	5000	Hexythiazox	2000
Acetamiprid	5000	lmazalil	30





330 Loch'n Green Trail Arlington, Texas 76012-3458 817-275-2691 Fax: 817-275-1883

Andrew T. Armstrong, PhD Marion K. Armstrong, MSPH, MBA, CIH Kelly L. Wouters, PhD Karen M. Deiss, BS

Laboratory Report for Product Evaluation

Client Information: Frozen Fields, LLC

Date Received: 09/05/2023

289 Silkood Drive

Lab File No: C3FR13466-1 Amended

Canton, NC 28716

Batch No: Not Provided

Product Name: Frozen Fields Formula X Delta 8 Disposable Vape -

Expiration Date: Not Provided

All Strains

Laboratory ID	SKU/UPC	Product Description	
C3-13466A-001A	7 35203 11923 4	Amber liquid from device	

Lab Number:	C3-13466A-001A	Date of Analysis:	09/11/2023	
Identification	Positive	THC - delta-9 Tetrahydrocannabinol	GC/MS	
Concentration	0.194% ± 0.019%	Total THC - delta-9 Tetrahydrocannabinol	Dual Column GC-FID	
Report Note: ATR-FTIR and CC/MS congrately identify the presences of delta 8 T-tb-d				

Report Note: ATR-FTIR and GC/MS separately identify the presences of delta-8-Tetrahydrocannabinol.

Amendment Tracking

Issue Date:

September 8, 2023

Amendment Date:

September 13, 2023

Amendment:

Due to a coeluting interferent in the HPLC-DAD analysis of this product, this report is amended to provide

the delta-9 Tetrahydrocannabinol concentration measured by Dual Column GC-FID.

Andrew T. Armstrong, PhD

09/13/2023 Date

Certified Professional Chemist, AIC

Fellow, American Academy of Forensic Sciences

Texas Forensic Analyst License #0000011

ANAB, Certificate FT-0293

Total delta-9 THC = THCA-A x 0.877 + delta-9 THC. The results reported relate only to the item(s) tested. The uncertainty values reported represent an expanded uncertainty estimate at the 95.45% level of confidence. Armstrong Forensic Laboratory, Inc. (Armstrong) is accredited through American National Accreditation Board and the Texas Forensic Science Commission to perform Forensic Testing in accordance with the requirements of ISO/IEC 17025:2017. Armstrong is accredited in the disciplines of Fire Debris, Materials (Trace), Seized Drugs, and Toxicology (Volatiles). Unless noted otherwise, all work performed on this case was in accordance with these requirements and Armstrong's standard operating procedures. C3-13466-1amd