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

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

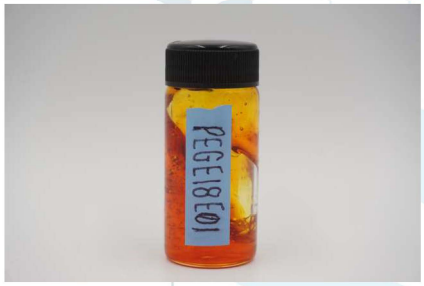
Certificate of Analysis

PEGE18E01 D8 London Pound Cake

Sample ID: SA-230519-21811
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



Summary

Test	Date Tested	Status
Cannabinoids	05/25/2023	Tested
Heavy Metals	05/25/2023	Passed
Microbials	05/24/2023	Passed
Mycotoxins	05/24/2023	Passed
Pesticides	05/24/2023	Passed
Residual Solvents	05/25/2023	Passed

ND	90.9 %	93.2 %	Not Tested	Not Tested	Yes
Total Δ9-THC	Δ8-THC	Total Cannabinoids	Moisture Content	Foreign Matter	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-THCA	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	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			**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
Date: 09/26/2023

Tested By: Scott Caudill
Laboratory Manager
Date: 05/25/2023

ISO/IEC 17025:2017 Accredited
Accreditation #108651

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

PEGE18E01 D8 Disposable All Strains

Sample ID: SA-230519-21811
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

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Arsenic	2	20	ND	P
Cadmium	1	20	ND	P
Lead	2	20	ND	P
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: Kelsey Rogers
Scientist
Date: 05/25/2023

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

PEGE18E01 D8 Disposable All Strains

Sample ID: SA-230519-21811
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	P	Hexythiazox	30	100	ND	P
Acetamiprid	30	100	ND	P	Imazalil	30	100	ND	P
Aldicarb	30	100	ND	P	Imidacloprid	30	100	ND	P
Azoxystrobin	30	100	ND	P	Kresoxim methyl	30	100	ND	P
Bifenazate	30	100	ND	P	Malathion	30	100	ND	P
Bifenthrin	30	100	ND	P	Metalaxyl	30	100	ND	P
Boscalid	30	100	ND	P	Methiocarb	30	100	ND	P
Carbaryl	30	100	ND	P	Methomyl	30	100	ND	P
Carbofuran	30	100	ND	P	Mevinphos	30	100	ND	P
Chloranthraniliprole	30	100	ND	P	Myclobutanil	30	100	ND	P
Chlorfenapyr	30	100	ND	P	Naled	30	100	ND	P
Chlorpyrifos	30	100	ND	P	Oxamyl	30	100	ND	P
Clofentezine	30	100	ND	P	Paclobutrazol	30	100	ND	P
Coumaphos	30	100	ND	P	Permethrin	30	100	ND	P
Daminozide	30	100	ND	P	Phosmet	30	100	ND	P
Diazinon	30	100	ND	P	Piperonyl Butoxide	30	100	ND	P
Dichlorvos	30	100	ND	P	Prallethrin	30	100	ND	P
Dimethoate	30	100	ND	P	Propiconazole	30	100	ND	P
Dimethomorph	30	100	ND	P	Propoxur	30	100	ND	P
Ethoprophos	30	100	ND	P	Pyrethrins	30	100	ND	P
Etofenprox	30	100	ND	P	Pyridaben	30	100	ND	P
Etoxazole	30	100	ND	P	Spinetoram	30	100	ND	P
Fenhexamid	30	100	ND	P	Spinosad	30	100	ND	P
Fenoxycarb	30	100	ND	P	Spiromesifen	30	100	ND	P
Fenpyroximate	30	100	ND	P	Spirotetramat	30	100	ND	P
Fipronil	30	100	ND	P	Spiroxamine	30	100	ND	P
Flonicamid	30	100	ND	P	Tebuconazole	30	100	ND	P
Fludioxonil	30	100	ND	P	Thiacloprid	30	100	ND	P
					Thiamethoxam	30	100	ND	P
					Trifloxystrobin	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

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

Tested By: Jasper van Heemst
Principal Scientist
Date: 05/24/2023

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

PEGE18E01 D8 Disposable All Strains

Sample ID: SA-230519-21811
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	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

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

Tested By: Jasper van Heemst
Principal Scientist
Date: 05/24/2023

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

PEGE18E01 D8 Disposable All Strains

Sample ID: SA-230519-21811
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	P
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

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

Tested By: Lucy Jones
Scientist
Date: 05/24/2023

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

PEGE18E01 D8 Disposable All Strains

Sample ID: SA-230519-21811
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	P
Acetonitrile	14	41	ND	P	Ethylene Oxide	0.5	1	ND	P
Benzene	0.5	1	ND	P	Heptane	167	500	ND	P
Butane	167	500	ND	P	n-Hexane	10	29	ND	P
1-Butanol	167	500	ND	P	Isobutane	167	500	ND	P
2-Butanol	167	500	ND	P	Isopropyl Acetate	167	500	ND	P
2-Butanone	167	500	ND	P	Isopropyl Alcohol	167	500	ND	P
Chloroform	2	6	ND	P	Isopropylbenzene	167	500	ND	P
Cyclohexane	129	388	ND	P	Methanol	100	300	ND	P
1,2-Dichloroethane	0.5	1	ND	P	2-Methylbutane	10	29	ND	P
1,2-Dimethoxyethane	4	10	ND	P	Methylene Chloride	20	60	ND	P
Dimethyl Sulfoxide	167	500	ND	P	2-Methylpentane	10	29	ND	P
N,N-Dimethylacetamide	37	109	ND	P	3-Methylpentane	10	29	ND	P
2,2-Dimethylbutane	10	29	ND	P	n-Pentane	167	500	ND	P
2,3-Dimethylbutane	10	29	ND	P	1-Pentanol	167	500	ND	P
N,N-Dimethylformamide	30	88	ND	P	n-Propane	167	500	ND	P
2,2-Dimethylpropane	167	500	ND	P	1-Propanol	167	500	ND	P
1,4-Dioxane	13	38	ND	P	Pyridine	7	20	ND	P
Ethanol	167	500	ND	P	Tetrahydrofuran	24	72	ND	P
2-Ethoxyethanol	6	16	ND	P	Toluene	30	89	ND	P
Ethyl Acetate	167	500	ND	P	Trichloroethylene	3	8	ND	P
Ethyl Ether	167	500	ND	P	Tetramethylene Sulfone	6	16	ND	P
Ethylbenzene	3	7	ND	P	Xylenes (o-, m-, and p-)	73	217	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: Scott Caudill
Laboratory Manager
Date: 05/25/2023

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

PEGE18E01 D8 Disposable All Strains

Sample ID: SA-230519-21811
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

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/g)	Analyte	Limit (CFU/g)
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	Methanol	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)
Acephate	5000	Hexythiazox	2000
Acetamiprid	5000	Imazalil	30

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Aldicarb	30	Imidacloprid	3000
Azoxystrobin	40000	Kresoxim methyl	1000
Bifenazate	5000	Malathion	5000
Bifenthrin	500	Metalaxyl	15000
Boscalid	10000	Methiocarb	30
Carbaryl	500	Methomyl	100
Carbofuran	30	Mevinphos	30
Chloranthraniliprole	40000	Myclobutanil	9000
Chlorfenapyr	30	Naled	500
Chlorpyrifos	30	Oxamyl	200
Clofentezine	500	Paclobutrazol	30
Coumaphos	30	Permethrin	20000
Daminozide	30	Phosmet	200
Diazinon	200	Piperonyl Butoxide	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	Tebuconazole	2000
Fludioxonil	30000	Thiacloprid	30

Mycotoxins - Colorado CDPHE

Analyte	Limit (ppm)	Analyte	Limit (ppm)
B1	5	B2	5
G1	5	G2	5
Ochratoxin A	5		

Armstrong
Forensic Laboratory, Inc.
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 – All Strains	Expiration Date:	Not Provided

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 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.

09/13/2023
Date

Andrew T. Armstrong, PhD
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