



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

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
 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 Total Δ9-THC | 90.9 % Δ8-THC | 93.2 % Total Cannabinoids | Not Tested Moisture Content | Not Tested Foreign 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 |
| CBD A | 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 | 158 |
| 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: Ryan Bellone
 CCO
 Date: 05/25/2023

 ISO/IEC 17025:2017 Accredited
 Accreditation #108651


PEGE18E01 D8 Cartridge All Strains

Sample ID: SA-230926-27510
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 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



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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 |
| Chlorantraniliprole | 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 |
| Fonicamid | 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 |

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 Date: 09/26/2023



Tested By: Ryan Bellone
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 Date: 05/24/2023



PEGE18E01 D8 Cartridge All Strains

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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



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 CCO
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Tested By: Ryan Bellone
 CCO
 Date: 05/24/2023



PEGE18E01 D8 Cartridge All Strains

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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
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Tested By: Ryan Bellone
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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 |

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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) |
|----------------------|-------------|--------------------|-------------|
| 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 | Padobutrazol | 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 |
| Etoazole | 1500 | Spinetoram | 3000 |
| Fenhexamid | 10000 | Spinosad | 3000 |
| Fenoxycarb | 30 | Spiromesifen | 12000 |
| Fenpyroximate | 2000 | Spirotetramat | 13000 |
| Fipronil | 30 | Spiroxamine | 30 |
| Fonicamid | 2000 | Tebuconazole | 2000 |
| Fludioxonil | 30000 | Thiadoprid | 30 |

Mycotoxins - Colorado CDPHE

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

Pesticides - CA DCC

| Analyte | Limit (ppb) | Analyte | Limit (ppb) |
|-------------|-------------|-------------|-------------|
| Acephate | 5000 | Hexythiazox | 2000 |
| Acetamiprid | 5000 | Imazalil | 30 |





Laboratory Report for Product Evaluation

Client Information: Frozen Fields, LLC
289 Silkood Drive
Canton, NC 28716
Product Name: Frozen Fields Formula X Delta 8 Disposable Vape - All Strains

Date Received: 09/05/2023
Lab File No: C3FR13466-1 Amended
Batch No: Not Provided
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.

Andrew T. Armstrong, PhD
Certified Professional Chemist, AIC
Fellow, American Academy of Forensic Sciences
Texas Forensic Analyst License #0000011
ANAB, Certificate FT-0293

09/13/2023

Date

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