



Hepworth Ag, INC

1637 Rt9W

Milton, NY 12547

Amy.weidner@hepworthpura.com

716-474-3369

License #: OCM-AUCP-22-000021

Certificate of Analysis

Final



Date Released: 3/25/2025 12:27:56AM

Report #: 50142

Puff - .50g [2.5g] Pre-Roll - Jet Fuel - Hybrid

Sample #: 12568, Weight: 12.50g, Unit Count:

Order #: X250313-0002

Category/Type: Plant, Flower - Cured

Date Collected: 3/12/2025 6:00:00PM

Date Received: 3/14/2025 6:04:38PM

Date Sampled: 3/12/2025 1:29:00PM

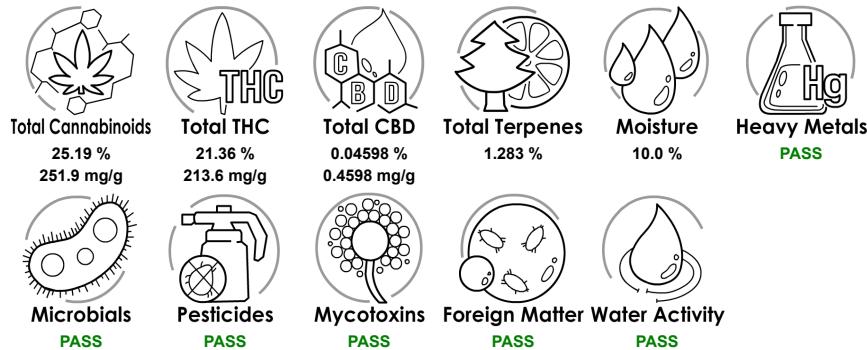
Regulator Sample ID: PUF-PRRL-JTFL-01220-031225

Regulator Source Package ID:

PUF-PRRL-JTFL-01220-031225

Regulator Batch ID: PUF-PRRL-JTFL-01220-031225

Size: 6000Units, Unit Count:



Cannabinoids Avg		Total Cannabinoids: 25.19 % - 251.9 mg/g Total THC: 21.36 % - 213.6 mg/g Total CBD: 0.04598 % - 0.4598 mg/g				Date Completed: 03/19/2025 6:29PM
Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration	
THCa	23978-85-0	0.001000	17.43	174.3	<div style="width: 100%;"></div>	
d9-THC	1972-08-3	0.001000	6.075	60.75	<div style="width: 100%;"></div>	
CBGa	25555-57-1	0.001000	0.9360	9.360	<div style="width: 10%;"></div>	
CBG	25654-31-3	0.001000	0.3004	3.004	<div style="width: 10%;"></div>	
CBC	20675-51-8	0.001000	0.1609	1.609	<div style="width: 10%;"></div>	

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Kelly N. Greenland

Dr. Kelly Greenland, Lab Director





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Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
CBN	521-35-7	0.001000	0.1255	1.255	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; height: 10px; display: inline-block;"></div></div>
THCV	31262-37-0	0.001000	0.1063	1.063	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; height: 10px; display: inline-block;"></div></div>
CBDa	1244-58-2	0.001000	0.05242	0.5242	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; height: 10px; display: inline-block;"></div></div>
CBDV	24274-48-4	0.001000	ND	ND	
CBD	13956-29-1	0.001000	ND	ND	
d8-THC	5957-75-5	0.001000	ND	ND	
d10/R9-THC	95543-62-7	0.001000	ND	ND	
d10/S9-THC	95588-87-7	0.001000	ND	ND	

Test Comment: Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

Terpenes by HS-GC-MS

Date Completed: 03/19/2025 12:14PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
Beta-caryophyllene	87-44-5	0.1000	0.6212	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; height: 10px; display: inline-block;"></div></div>
Limonene	5989-27-5	0.1000	0.2173	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; height: 10px; display: inline-block;"></div></div>
Alpha-humulene	6753-98-6	0.1000	0.1916	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; height: 10px; display: inline-block;"></div></div>
Terpinolene	586-62-9	0.1000	0.1499	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; height: 10px; display: inline-block;"></div></div>
Linalool	78-70-6	0.1000	0.1030	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; height: 10px; display: inline-block;"></div></div>

Results based on dry weight

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Compound	CAS#	LOQ (%)	%	Relative Concentration
Beta-myrcene	123-35-3	0.1000	ND	
Alpha-pinene	80-56-8	0.1000	ND	
Beta-pinene	127-91-3	0.1000	ND	
Ocimene	13877-91-3	0.1000	ND	
Alpha-bisabolol	515-69-5	0.1000	ND	
Caryophyllene-oxide	1139-30-6	0.1000	ND	
Geraniol	106-24-1	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
Guaiol	489-86-1	0.1000	ND	
Alpha-terpinene	99-86-5	0.1000	ND	
Terpineol	8006-39-1	0.1000	ND	
Fenchol	14575-74-7	0.1000	ND	
Valencene	4630-07-3	0.1000	ND	
Alpha-phellandrene	99-83-2	0.1000	ND	
Farnesene	502-61-4	0.1000	ND	

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

Foreign Matter by Microscopy

Pass

Analysis Date: 03/21/2025 11:18 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Foreign Matter	0.00100	2.0	ND	Pass
Mammalian Exreta	0.00100	0.03	ND	Pass
Stems	0.00100	5.0	ND	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

Moisture LWG

Pass

Analysis Date: 03/21/2025 11:18 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	0 - 15	10.0	Pass

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Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

Water Activity

Pass**Analysis Date: 03/21/2025 11:18 am**

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.37	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

Pesticides by LCMSMS

Pass**Analysis Date: 03/19/2025 7:27 pm**

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.0100	0.500	ND	Pass
Acephate	0.0100	0.400	ND	Pass
Acequinocyl	0.0100	2.00	ND	Pass
Acetamiprid	0.0100	0.200	ND	Pass
Aldicarb	0.0100	0.400	ND	Pass
Azadirachtin	0.0100	1.00	ND	Pass
Azoxystrobin	0.0100	0.200	ND	Pass
Bifenazate	0.0100	0.200	ND	Pass
Bifenthrin	0.0100	0.200	ND	Pass
Boscalid	0.0100	0.400	ND	Pass
Captan	0.0100	1.00	ND	Pass
Carbaryl	0.0100	0.200	ND	Pass
Carbofuran	0.0100	0.200	ND	Pass
Chlorantraniliprole	0.0100	0.200	ND	Pass
Chlordane-alpha	0.0100	1.00	ND	Pass
Chlufenapyr	0.0100	1.00	ND	Pass
Chlormequat Chloride	0.0100	1.00	ND	Pass
Chlorpyrifos	0.0100	0.200	ND	Pass
Clofentezine	0.0100	0.200	ND	Pass
Coumaphos	0.0100	1.00	ND	Pass

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Pesticides by LCMSMS		Pass	Analysis Date: 03/19/2025 7:27 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Cyfluthrin	0.0100	1.00	ND	Pass
Cypermethrin	0.0100	1.00	ND	Pass
Daminozide	0.0100	1.00	ND	Pass
Diazinon	0.0100	0.200	ND	Pass
Dichlorvos	0.0100	1.00	ND	Pass
Dimethoate	0.0100	0.200	ND	Pass
Dimethomorph	0.0100	1.00	ND	Pass
Ethoprophos	0.0100	0.200	ND	Pass
Etofenprox	0.0100	0.400	ND	Pass
Etoxazole	0.0100	0.200	ND	Pass
Fenhexamid	0.0100	1.00	ND	Pass
Fenoxy carb	0.0100	0.200	ND	Pass
Fenpyroximate	0.0100	0.400	ND	Pass
Fipronil	0.0100	0.400	ND	Pass
Flonicamid	0.0100	1.00	ND	Pass
Fludioxonil	0.0100	0.400	ND	Pass
Hexythiazox	0.0100	1.00	ND	Pass
Imazalil	0.0100	0.200	ND	Pass
Imidacloprid	0.0100	0.400	ND	Pass
Indolebutyric Acid	0.0100	1.00	ND	Pass
Kresoxim-methyl	0.0100	0.400	ND	Pass
Malathion	0.0100	0.200	ND	Pass
Metalaxyl	0.0100	0.200	ND	Pass
Methiocarb	0.0100	0.200	ND	Pass
Methomyl	0.0100	0.400	ND	Pass
Methyl Parathion	0.0100	0.200	ND	Pass

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Pesticides by LCMSMS		Pass	Analysis Date: 03/19/2025 7:27 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Mevinphos	0.0100	1.00	ND	Pass
MGK-264	0.0100	0.200	ND	Pass
Myclobutanil	0.0100	0.200	ND	Pass
Naled	0.0100	0.500	ND	Pass
Oxamyl	0.0100	1.00	ND	Pass
Paclobutrazol	0.0100	0.400	ND	Pass
Pentachloronitrobenzene	0.0100	1.00	ND	Pass
Permethrins, Total	0.0100	0.200	ND	Pass
Phosmet	0.0100	0.200	ND	Pass
Piperonyl Butoxide	0.0100	2.00	ND	Pass
Prallethrin	0.0100	0.200	ND	Pass
Propiconazole	0.0100	0.400	ND	Pass
Propoxur	0.0100	0.200	ND	Pass
Pyrethrins Total	0.0100	1.00	ND	Pass
Pyridaben	0.0100	0.200	ND	Pass
Spinetoram Total	0.0100	1.00	ND	Pass
Spinosad Total	0.0100	0.200	ND	Pass
Spiromesifen	0.0100	0.200	ND	Pass
Spirotetramat	0.0100	0.200	ND	Pass
Spiroxamine	0.0100	0.200	ND	Pass
Tebuconazole	0.0100	0.400	ND	Pass
Thiacloprid	0.0100	0.200	ND	Pass
Thiamethoxam	0.0100	0.200	ND	Pass
Trifloxystrobin	0.0100	0.200	ND	Pass

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

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Mycotoxins by LCMSMS		Pass		Analysis Date: 03/19/2025 7:27 pm	
Compound	LOQ ($\mu\text{g/g}$)	Limits ($\mu\text{g/g}$)	Result ($\mu\text{g/g}$)	Status	
Aflatoxin B1	0.0050	0.020	ND	Pass	
Aflatoxin B2	0.0050	0.020	ND	Pass	
Aflatoxin G1	0.0050	0.020	ND	Pass	
Aflatoxin G2	0.0050	0.020	ND	Pass	
Ochratoxin A	0.0050	0.020	ND	Pass	
Total Aflatoxin	0.0050	0.020	ND	Pass	

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

Heavy Metals by ICPMS		Pass		Analysis Date: 03/20/2025 9:55 am	
Compound	LOQ ($\mu\text{g/g}$)	Limits ($\mu\text{g/g}$)	Result ($\mu\text{g/g}$)	Status	
Antimony	0.0100	2.00	ND	Pass	
Arsenic	0.00100	0.200	0.0308	Pass	
Cadmium	0.00150	0.200	0.0115	Pass	
Chromium	0.280	110	ND	Pass	
Copper	0.0750	30.0	12.1	Pass	
Lead	0.00250	0.500	0.251	Pass	
Mercury	0.000500	0.100	0.00196	Pass	
Nickel	0.0100	5.00	0.283	Pass	

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

Micro by Petri & qPCR		Pass		Analysis Date: 03/15/2025 9:30 am	
Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status	
Aspergillus flavus Qualitative	1	0	Not Detected	Pass	
Aspergillus fumigatus Qualitative	1	0	Not Detected	Pass	
Aspergillus niger Qualitative	1	0	Not Detected	Pass	
Aspergillus terreus Qualitative	1	0	Not Detected	Pass	

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Micro by Petri & qPCR		Pass		Analysis Date: 03/15/2025 9:30 am	
Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status	
Salmonella Qualitative	1	0	Not Detected	Pass	
Shiga Toxin-Producing E. coli Qualitative	1	0	Not Detected	Pass	
Total Aerobic Bacteria	10		63000	Pass	
Total Yeast & Mold	10		4000	Pass	

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed.
Due to COA validation limitations: "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence". "Passed" for an adult-use product implies the results contain less than 1,000,000 cfu/g.

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