

Prussian Sticks - Bulk Flower - Gruntz

METRC Batch: 1A406030000B7A0000706244
METRC Sample: 1A406030000B7A0000706273
Sample ID: 2403ENC2693_8077
Strain: Gruntz
Matrix: Plant
Type: Flower - Cured

Collected: 03/19/2024
Received: 03/20/2024
Completed: 03/22/2024
Sample Size: 24 g; Batch: 6,803.88 g

Distributor
Flower Company
Lic. # C12-0000273-LIC
5560 West End Rd.,
Arcata, CA, 95521

Producer
Happy Valley Farms
Lic. # CCL18-0003476
N/A
Unincorporated, CA
County: Humboldt County
APN: 210-051-081

Batch#: 031124PRSBKLGRTZ



Summary

Test	Date Tested	Instr. Method	Result
Batch			Pass
Cannabinoids	03/21/2024	LC-DAD	Complete
Terpenes	03/21/2024	GC-MS	Complete
Moisture	03/21/2024	Moisture Analyzer	12.57% - Complete
Water Activity	03/21/2024	Water Activity Meter	0.4991 aw - Pass
Pesticides	03/21/2024	LC-MS	Pass
Mycotoxins	03/21/2024	LC-MS	Pass
Microbial Impurities	03/22/2024	qPCR	Pass
Heavy Metals	03/22/2024	ICP-MS	Pass
Foreign Matter	03/21/2024	Visual Inspection	Pass

Cannabinoids

Method: EL-CANNABINOIDS_DCC

20.880 %

Total THC

0.032 %

Total CBD

21.002 %

Total Cannabinoids

Analytes	LOD	LOQ	Result	Result
	mg/g	mg/g	%	mg/g
THCa	0.009	0.027	21.582	215.82
Δ9-THC	0.008	0.026	1.952	19.52
Δ8-THC	0.009	0.026	ND	ND
THCV	0.008	0.025	ND	ND
CBDa	0.009	0.027	0.036	0.36
CBD	0.008	0.024	ND	ND
CBN	0.008	0.025	ND	ND
CBG	0.008	0.023	0.090	0.90
CBC	0.009	0.026	ND	ND
Total THC			20.880	208.80
Total CBD			0.032	0.32
Total Cannabinoids			21.002	210.02
Sum of Cannabinoids			23.661	236.61

Total THC = THCa * 0.877 + Δ9-THC + Δ8-THC; Total CBD = CBDa * 0.877 + CBD; Total Cannabinoids = (cannabinoid acid forms * 0.877) + cannabinoids; Sum of Cannabinoids = cannabinoid acid forms + cannabinoids; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample. Foreign Material Method: SOP EL-FOREIGN; Moisture and Water Activity Method: SOP EL-WATER



Mary Beth Smith
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Compliance Manager | 03/22/2024



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Terpenes

Method: EL-TERPENES

Analytes	LOD	LOQ	Result	Result
	mg/g	mg/g	%	mg/g
β-Caryophyllene	0.053	0.211	0.533	5.33
δ-Limonene	0.026	0.211	0.466	4.66
Linalool	0.033	0.211	0.146	1.46
α-Humulene	0.021	0.211	0.122	1.22
β-Myrcene	0.049	0.211	0.078	0.78
β-Pinene	0.029	0.211	0.066	0.66
Fenchol	0.029	0.211	0.059	0.59
α-Pinene	0.031	0.211	0.044	0.44
α-Bisabolol	0.064	0.211	0.040	0.40
trans-Nerolidol	0.068	0.211	0.036	0.36
Ocimene	0.053	0.211	0.027	0.27
Camphene	0.018	0.211	<LOQ	<LOQ
Borneol	0.047	0.211	<LOQ	<LOQ
Fenchone	0.034	0.211	<LOQ	<LOQ
Terpinolene	0.046	0.211	<LOQ	<LOQ
Eucalyptol	0.035	0.211	ND	ND
α-Phellandrene	0.036	0.211	ND	ND
δ-3-Carene	0.025	0.211	ND	ND
α-Terpinene	0.038	0.211	ND	ND
p-Cymene	0.020	0.211	ND	ND
γ-Terpinene	0.038	0.211	ND	ND
Camphor	0.038	0.317	ND	ND
Valencene	0.055	0.211	ND	ND
cis-Nerolidol	0.053	0.211	ND	ND
Caryophyllene Oxide	0.063	0.211	ND	ND
Guaiol	0.062	0.211	ND	ND
Sabinene	0.021	0.211	ND	ND
Isopulegol	0.065	0.422	ND	ND
Isoborneol	0.018	0.211	ND	ND
Menthol	0.065	0.211	ND	ND
Nerol	0.044	1.055	ND	ND
Pulegone	0.044	0.211	ND	ND
Geraniol	0.060	1.055	ND	ND
Geranyl Acetate	0.050	1.055	ND	ND
α-Cedrene	0.038	0.211	ND	ND
Cedrol	0.036	0.211	ND	ND
Total			1.615	16.152

Date Tested: 03/21/2024

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Primary Aromas

 Clove	 Citrusy	 Lavender	 Hops	 Musky
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Pesticides

Method: EL-PESTMYCOLCMS

Analytes	LOD	LOQ	Limit	Result	Status	Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.005	0.02	0.10	ND	Pass	Fludioxonil	0.01	0.05	0.10	ND	Pass
Acephate	0.002	0.01	0.10	ND	Pass	Hexythiazox	0.005	0.02	0.10	ND	Pass
Acequinocyl	0.01	0.02	0.10	ND	Pass	Imazalil	0.05	0.1	0.05	ND	Pass
Acetamiprid	0.005	0.02	0.10	ND	Pass	Imidacloprid	0.005	0.02	5.00	ND	Pass
Aldicarb	0.05	0.1	0.05	ND	Pass	Kresoxim Methyl	0.005	0.02	0.10	ND	Pass
Azoxystrobin	0.005	0.02	0.10	ND	Pass	Malathion	0.02	0.05	0.50	ND	Pass
Bifenazate	0.005	0.01	0.10	ND	Pass	Metalaxyl	0.002	0.005	2.00	ND	Pass
Bifenthrin	0.02	0.05	3.00	ND	Pass	Methiocarb	0.05	0.1	0.05	ND	Pass
Boscalid	0.02	0.05	0.10	ND	Pass	Methomyl	0.01	0.02	1.00	ND	Pass
Captan	0.2	0.3	0.70	ND	Pass	Parathion Methyl	0.02	0.05	0.02	ND	Pass
Carbaryl	0.02	0.05	0.50	ND	Pass	Mevinphos	0.02	0.05	0.02	ND	Pass
Carbofuran	0.05	0.1	0.05	ND	Pass	Myclobutanil	0.005	0.01	0.10	ND	Pass
Chlorantraniliprole	0.002	0.01	10.00	ND	Pass	Naled	0.01	0.02	0.10	ND	Pass
Chlordane	0.05	0.1	0.05	ND	Pass	Oxamyl	0.005	0.01	0.50	ND	Pass
Chlorfenapyr	0.05	0.1	0.05	ND	Pass	Paclobutrazol	0.05	0.1	0.05	ND	Pass
Chlorpyrifos	0.05	0.1	0.05	ND	Pass	PCNB	0.02	0.05	0.10	ND	Pass
Clofentezine	0.01	0.02	0.10	ND	Pass	Permethrin	0.02	0.05	0.50	ND	Pass
Coumaphos	0.02	0.05	0.02	ND	Pass	Phosmet	0.01	0.02	0.10	ND	Pass
Cyfluthrin	0.05	0.1	2.00	ND	Pass	Piperonyl Butoxide	0.02	0.05	3.00	ND	Pass
Cypermethrin	0.1	0.2	1.00	ND	Pass	Prallethrin	0.005	0.02	0.10	ND	Pass
Daminozide	0.02	0.05	0.02	ND	Pass	Propiconazole	0.005	0.01	0.10	ND	Pass
Diazinon	0.002	0.01	0.10	ND	Pass	Propoxure	0.05	0.1	0.05	ND	Pass
Dichlorvos	0.02	0.05	0.02	ND	Pass	Pyrethrins	0.02	0.05	0.50	ND	Pass
Dimethoate	0.02	0.05	0.02	ND	Pass	Pyridaben	0.005	0.01	0.10	ND	Pass
Dimethomorph	0.005	0.02	2.00	ND	Pass	Spinetoram	0.005	0.01	0.10	ND	Pass
Ethoprophos	0.05	0.1	0.05	ND	Pass	Spinosad	0.005	0.01	0.10	ND	Pass
Etofenprox	0.05	0.1	0.05	ND	Pass	Spiromesifen	0.01	0.02	0.10	ND	Pass
Etoazole	0.005	0.02	0.10	ND	Pass	Spirotetramat	0.005	0.01	0.10	ND	Pass
Fenhexamid	0.005	0.02	0.10	ND	Pass	Spiroxamine	0.05	0.1	0.05	ND	Pass
Fenoxycarb	0.05	0.1	0.05	ND	Pass	Tebuconazole	0.005	0.01	0.10	ND	Pass
Fenpyroximate	0.005	0.02	0.10	ND	Pass	Thiacloprid	0.02	0.05	0.02	ND	Pass
Fipronil	0.05	0.1	0.05	ND	Pass	Thiamethoxam	0.005	0.01	5.00	ND	Pass
Flonicamid	0.01	0.02	0.10	ND	Pass	Trifloxystrobin	0.005	0.01	0.10	ND	Pass

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Mycotoxins

Method: EL-PESTMYCOLCMS

Analytes	LOD	LOQ	Limit	Result	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Aflatoxin B1	1.00	2.00		ND	Tested
Aflatoxin B2	1.00	2.00		ND	Tested
Aflatoxin G1	2.00	4.00		ND	Tested
Aflatoxin G2	1.00	2.00		ND	Tested
Ochratoxin A	4.00	10.00	20.00	ND	Pass
Total Aflatoxins			20.00	ND	Pass

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Microbial Impurities

Method: SOP EL-MICROBIALS

Analytes	Result	Status
Aspergillus flavus	Not Detected in 1g	Pass
Aspergillus fumigatus	Not Detected in 1g	Pass
Aspergillus niger	Not Detected in 1g	Pass
Aspergillus terreus	Not Detected in 1g	Pass
Shiga toxin-producing Escherichia coli	Not Detected in 1g	Pass
Salmonella spp	Not Detected in 1g	Pass

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Heavy Metals

Method: SOP EL-HEAVYMETALS

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.012	0.036	0.200	<LOQ	Pass
Cadmium	0.015	0.044	0.200	ND	Pass
Lead	0.055	0.167	0.500	ND	Pass
Mercury	0.005	0.015	0.100	<LOQ	Pass

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