

Moby & Zeke LLC

620 Shaffer Rd
Newfield, NY, 14805
Nicholas.pistolesi@sapphirefarmsmi.com
313-335-4606
License #: OCM-CULT-24-000015

Certificate of Analysis

Final



Date Released: 7/30/2024 4:01:03PM

Report #: 20461

Kush Cake - Flower

Sample #: 5443, Weight: 45.50g, Unit Count:

Order #: K240725-0001

Category/Type: Plant, Flower - Cured

Date Collected: 7/24/2024 3:59:13PM

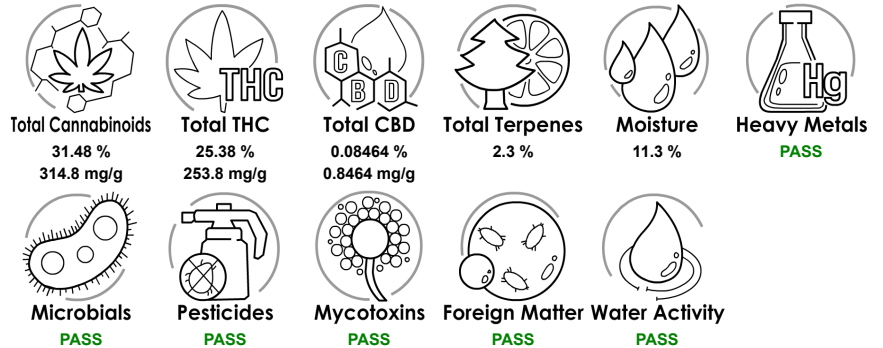
Date Received: 7/25/2024 3:58:15PM

Regulator Sample ID: KC-003-FL1

Regulator Source Package ID: KC-003-FL1

Regulator Batch ID: KC-003-FL1

Size: 3110Units, Unit Count:



Potency Analysis by HPLC

Total Cannabinoids: **31.48 % - 314.8 mg/g**

Total THC: **25.38 % - 253.8 mg/g**

Total CBD: **0.08464 % - 0.8464 mg/g**

Date Completed: 07/26/2024 10:14AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	26.93	269.3	
CBGa	25555-57-1	0.001000	2.466	24.66	
d9-THC	1972-08-3	0.001000	1.766	17.66	
CBG	25654-31-3	0.001000	0.1143	1.143	
CBDa	1244-58-2	0.001000	0.09651	0.9651	
CBC	20675-51-8	0.001000	0.04358	0.4358	
d10/R9-THC	95543-62-7	0.001000	0.02935	0.2935	
THCV	31262-37-0	0.001000	0.02135	0.2135	
CBN	521-35-7	0.001000	0.01423	0.1423	
d8-THC	5957-75-5	0.001000	ND	ND	
d10/S9-THC	95588-87-7	0.001000	ND	ND	
CBD	13956-29-1	0.001000	ND	ND	
CBDV	24274-48-4	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.

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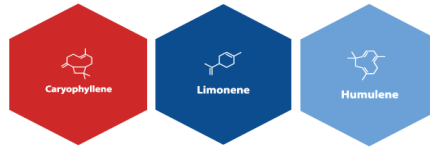
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Kush Cake - Flower

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CBGa		0.001000	2.466	24.66	
d9-THC		0.001000	1.766	17.66	
CBG		0.001000	0.1143	1.143	
CBDa		0.001000	0.09651	0.9651	
CBC		0.001000	0.04358	0.4358	
d10/R9-THC	95543-62-7	0.001000	0.02935	0.2935	
THCV		0.001000	0.02135	0.2135	
CBN		0.001000	0.01423	0.1423	
CBDV		0.001000	ND	ND	
CBD		0.001000	ND	ND	
d8-THC		0.001000	ND	ND	
d10/S9-THC	95588-87-7	0.001000	ND	ND	

Terpenes by HS-GC-MS

Date Completed: 07/26/2024 9:52AM



Compound	CAS#	LOQ (%)	%	Relative Concentration
Beta-caryophyllene	87-44-5	0.1000	1.126	
Limonene	5989-27-5	0.1000	0.3816	
Alpha-humulene	6753-98-6	0.1000	0.2631	
Farnesene	502-61-4	0.1000	0.2609	
Valencene	4630-07-3	0.1000	0.1595	
Alpha-bisabolol	515-69-5	0.1000	0.1296	
Beta-myrcene	123-35-3	0.1000	ND	
Alpha-pinene	80-56-8	0.1000	ND	
Linalool	78-70-6	0.1000	ND	

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**Sample #: 5443****Kush Cake - Flower**

Compound	CAS#	LOQ (%)	%	Relative Concentration
Beta-pinene	127-91-3	0.1000	ND	
Terpinolene	586-62-9	0.1000	ND	
Borneol	464-43-7	0.1000	ND	
Ocimene	13877-91-3	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	
Guaial	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	
Alpha-phellandrene	99-83-2	0.1000	ND	
Camphor	464-49-3	0.1000	ND	
3-Carene	13466-78-9	0.1000	ND	
Alpha-cedrene	469-61-4	0.1000	ND	
Cedrol	77-53-2	0.1000	ND	
Eucalyptol	470-82-6	0.1000	ND	
Fenchone	1195-79-5	0.1000	ND	
Gamma-terpinene	99-85-4	0.1000	ND	
Geranyl Acetate	105-87-3	0.1000	ND	
Isopulegol	89-79-2	0.1000	ND	
Menthol	15356-70-4	0.1000	ND	
Nerol	106-25-2	0.1000	ND	
Nerolidol		0.1000	ND	
Pulegone	89-82-7	0.1000	ND	
Sabinene	3387-41-5	0.1000	ND	

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**Sample #: 5443****Kush Cake - Flower**

Compound	CAS#	LOQ (%)	%	Relative Concentration
Sabinene Hydrate	546-79-2	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:** 07/25/2024 4:12 pm

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 Content****Pass****Analysis Date:** 07/25/2024 4:30 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	11.3	Pass

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:** 07/25/2024 4:12 pm

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.60	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:** 07/29/2024 11:21 am

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

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Sample #: 5443 Kush Cake - Flower

Pesticides by LCMSMS		Pass		Analysis Date: 07/29/2024 11:21 am	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
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	
Chlorfenapyr	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	
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	

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**Sample #: 5443****Kush Cake - Flower****Pesticides by LCMSMS****Pass****Analysis Date: 07/29/2024 11:21 am**

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Fenhexamid	0.0100	1.00	ND	Pass
Fenoxycarb	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
Metaxyl	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
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

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Sample #: 5443

Kush Cake - Flower

Pesticides by LCMSMS

Pass

Analysis Date: 07/29/2024 11:21 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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.

Mycotoxins

Pass

Analysis Date: 07/29/2024 11:21 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/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.

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Sample #: 5443

Kush Cake - Flower

Metals

Pass

Analysis Date: 07/25/2024 6:20 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2.00	ND	Pass
Arsenic	0.00100	0.200	0.0119	Pass
Cadmium	0.00150	0.200	0.0884	Pass
Chromium	0.280	110	ND	Pass
Copper	0.0750	30.0	2.85	Pass
Lead	0.00250	0.500	0.106	Pass
Mercury	0.000500	0.100	ND	Pass
Nickel	0.0100	5.00	0.880	Pass

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

Microbials Count/Qualitative

Pass

Analysis Date: 07/29/2024 8:41 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
Salmonella Qualitative	1	0	Not Detected	Pass
Shiga Toxin-Producing E. coli Qualitative	1	0	Not Detected	Pass
Total Aerobic Bacteria	10		1000	Pass
Total Yeast & Mold	10		<LOQ	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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