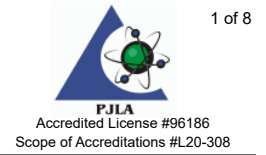




Certificate of Analysis

AZDHS Certification # 05LCMI00301434



Big Bud Farms
 12550 W Thunderbird Rd
 El Mirage, AZ 85335
 (623) 742-5912
 Lic#: 1592258DARY4650716

Sample: S109087-11
 CC ID#: 2109C4L0090.5011
 Lot#: N/A
 Batch#: MAC13
 Batch Size: N/A

FINAL

Sample Name: MAC
Strain Name: MAC
Matrix: Concentrates Extracts

Sample Received: 09/28/2021
 Report Created: 10/12/2021



Potency Results

75.4%	<LOQ%	RATIO	
Total THC	Total CBD	1	0
		THC	CBD

Total THC= THCa * 0.877 + d9-THC
 Total CBD= CBDa * 0.877 + CBD

SAFETY

Microbials	Residual Solvents	Mycotoxins	Pesticides	Herbicide	Metals
PASS	PASS	PASS	PASS	NOT TESTED	PASS



C4 LABORATORIES

7650 E. Evans Rd, Unit A
 Scottsdale, AZ 85260
 (480) 219-6460
<http://www.c4lab.com>
 Lic.#0000005LCMI00301434

Dennis Wells
 CSO/QAM



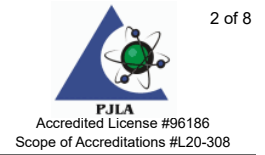
ARIZONA DEPARTMENT
 OF HEALTH SERVICES

This product has been tested by C4 Laboratories LLC using valid testing methodologies and a quality system as required by Arizona state law. Results marked as 'Pass' or 'Fail' are done so in reference to R9-17: Arizona Administrative Code (A.A.C.) Title 9, Chapter 17, May 3, 2021. Values reported relate only to the product tested as received. C4 Laboratories LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. Contact C4 Laboratories LLC for a technical report related to this sample. This Certificate shall not be reproduced except in full, without the written approval of C4 Laboratories LLC. AZDHS certification 0000005LCMI00301434.



Certificate of Analysis

AZDHS Certification # 05LCMI00301434



Big Bud Farms
 12550 W Thunderbird Rd
 El Mirage, AZ 85335
 (623) 742-5912
 Lic#: 1592258DARY4650716

Sample: S109087-11
 CC ID#: 2109C4L0090.5011
 Lot#: N/A
 Batch#: MAC13
 Batch Size: N/A

FINAL

Sample Name: MAC
Strain Name: MAC
Matrix: Concentrates Extracts

Sample Received: 09/28/2021
 Report Created: 10/12/2021

Cannabinoids by HPLC - Medical

Date Analyzed: 10/05/2021 Analyst Initials: KWT

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
THCA	1.40	78.1	781.00	
d9-THC	1.40	6.97	69.70	
d8-THC	1.40	<LOQ	<LOQ	
CBDA	1.40	<LOQ	<LOQ	
CBD	1.40	<LOQ	<LOQ	
CBG	1.40	<LOQ	<LOQ	
CBN	1.40	<LOQ	<LOQ	
CBC	1.40	<LOQ	<LOQ	
Total Cannabinoids	1.40	85.0	850.00	
Total THC	1.40	75.4	754.00	
Total CBD	1.40	<LOQ	<LOQ	

Total THC= THCa * 0.877 + d9-THC. Total CBD= CBDA * 0.877 + CBD.
 LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected.
 Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.
 Cannabinoids method: HPLC-DAD.



C4 LABORATORIES

7650 E. Evans Rd, Unit A
 Scottsdale, AZ 85260
 (480) 219-6460
<http://www.c4lab.com>
 Lic.#00000005LCMI00301434

Dennis Wells
 CSO/QAM

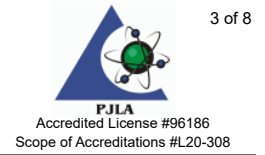


This product has been tested by C4 Laboratories LLC using valid testing methodologies and a quality system as required by Arizona state law. Results marked as 'Pass' or 'Fail' are done so in reference to R9-17: Arizona Administrative Code (A.A.C.) Title 9, Chapter 17, May 3, 2021. Values reported relate only to the product tested as received. C4 Laboratories LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. Contact C4 Laboratories LLC for a technical report related to this sample. This Certificate shall not be reproduced except in full, without the written approval of C4 Laboratories LLC. AZDHS certification 00000005LCMI00301434.



Certificate of Analysis

AZDHS Certification # 05LCMI00301434



Big Bud Farms
 12550 W Thunderbird Rd
 El Mirage, AZ 85335
 (623) 742-5912
 Lic#: 1592258DARY4650716

Sample: S109087-11
 CC ID#: 2109C4L0090.5011
 Lot#: N/A
 Batch#: MAC13
 Batch Size: N/A

FINAL

Sample Name: MAC
Strain Name: MAC
Matrix: Concentrates Extracts

Sample Received: 09/28/2021
 Report Created: 10/12/2021

Pesticides by LCMSMS - Medical

Pass

Date Analyzed: 10/07/2021 Analyst Initials: JCB

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Abamectin	0.107	0.5	<LOQ		Pass	Hexythiazox	0.243	1.0	<LOQ	M2	Pass
Acephate	0.097	0.4	<LOQ		Pass	Imazalil	0.097	0.2	<LOQ		Pass
Acequinocyl	0.486	2.0	<LOQ		Pass	Imidacloprid	0.097	0.4	<LOQ		Pass
Acetamiprid	0.049	0.2	<LOQ		Pass	Kresoxim-methyl	0.097	0.4	<LOQ		Pass
Aldicarb	0.097	0.4	<LOQ		Pass	Malathion	0.049	0.2	<LOQ		Pass
Azoxystrobin	0.049	0.2	<LOQ		Pass	Metalaxyl	0.097	0.2	<LOQ		Pass
Bifenazate	0.049	0.2	<LOQ	L1, M1	Pass	Methiocarb	0.049	0.2	<LOQ		Pass
Bifenthrin	0.049	0.2	<LOQ		Pass	Methomyl	0.097	0.4	<LOQ		Pass
Boscalid	0.097	0.4	<LOQ		Pass	Myclobutanil	0.049	0.2	<LOQ		Pass
Carbaryl	0.049	0.2	<LOQ		Pass	Naled	0.121	0.5	<LOQ		Pass
Carbofuran	0.049	0.2	<LOQ		Pass	Oxamyl	0.243	1.0	<LOQ		Pass
Chlorantraniliprole	0.049	0.2	<LOQ		Pass	Paclobutrazol	0.097	0.4	<LOQ		Pass
Chlorfenapyr	0.486	1.0	<LOQ	M2	Pass	Permethrins	0.049	0.2	<LOQ	M2	Pass
Chlorpyrifos	0.049	0.2	<LOQ		Pass	Phosmet	0.049	0.2	<LOQ		Pass
Clofentezine	0.049	0.2	<LOQ		Pass	Piperonyl butoxide	0.486	2.0	<LOQ		Pass
Cyfluthrin	0.486	1.0	<LOQ	L1, M1	Pass	Prallethrin	0.097	0.2	<LOQ	M1	Pass
Cypermethrin	0.243	1.0	<LOQ		Pass	Propiconazole	0.097	0.4	<LOQ		Pass
Daminozide	0.486	1.0	<LOQ		Pass	Propoxur	0.049	0.2	<LOQ		Pass
Diazinon	0.049	0.2	<LOQ		Pass	Pyrethrins	0.313	1.0	<LOQ	M1	Pass
Dichlorvos	0.049	0.1	<LOQ		Pass	Pyridaben	0.049	0.2	<LOQ		Pass
Dimethoate	0.049	0.2	<LOQ		Pass	Spinosad	0.049	0.2	<LOQ		Pass
Ethoprophos	0.049	0.2	<LOQ		Pass	Spiromesifen	0.049	0.2	<LOQ		Pass
Etofenprox	0.097	0.4	<LOQ		Pass	Spirotetramat	0.049	0.2	<LOQ		Pass
Etoxazole	0.049	0.2	<LOQ		Pass	Spiroxamine	0.097	0.4	<LOQ		Pass
Fenoxycarb	0.049	0.2	<LOQ		Pass	Tebuconazole	0.097	0.4	<LOQ		Pass
Fenpyroximate	0.097	0.4	<LOQ		Pass	Thiacloprid	0.049	0.2	<LOQ		Pass
Fipronil	0.097	0.4	<LOQ	M1, V1	Pass	Thiamethoxam	0.049	0.2	<LOQ		Pass
Flonicamid	0.243	1.0	<LOQ		Pass	Trifloxystrobin	0.049	0.2	<LOQ		Pass
Fludioxonil	0.097	0.4	<LOQ		Pass						

LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Pesticides method: LC/MS/MS.



C4 LABORATORIES

7650 E. Evans Rd, Unit A
 Scottsdale, AZ 85260
 (480) 219-6460
<http://www.c4lab.com>
 Lic.#0000005LCMI00301434

Dennis Wells
 CSO/QAM



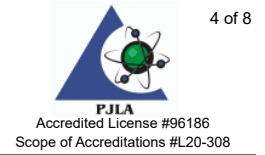
**ARIZONA DEPARTMENT
 OF HEALTH SERVICES**

This product has been tested by C4 Laboratories LLC using valid testing methodologies and a quality system as required by Arizona state law. Results marked as 'Pass' or 'Fail' are done so in reference to R9-17: Arizona Administrative Code (A.A.C.) Title 9, Chapter 17, May 3, 2021. Values reported relate only to the product tested as received. C4 Laboratories LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. Contact C4 Laboratories LLC for a technical report related to this sample. This Certificate shall not be reproduced except in full, without the written approval of C4 Laboratories LLC. AZDHS certification 0000005LCMI00301434.



Certificate of Analysis

AZDHS Certification # 05LCMI00301434



Big Bud Farms
 12550 W Thunderbird Rd
 El Mirage, AZ 85335
 (623) 742-5912
 Lic#: 1592258DARY4650716

Sample: S109087-11
 CC ID#: 2109C4L0090.5011
 Lot#: N/A
 Batch#: MAC13
 Batch Size: N/A

FINAL

Sample Name: MAC
Strain Name: MAC
Matrix: Concentrates Extracts

Sample Received: 09/28/2021
 Report Created: 10/12/2021

Metals by ICPMS - Medical Pass

Date Analyzed: 10/01/2021 Analyst Initials: MDC

Analyte	LOQ	Limit	Mass	Q	Status
	ppm	ppm	ppm		
Arsenic	0.098	0.4	<LOQ		Pass
Cadmium	0.098	0.4	<LOQ		Pass
Lead	0.394	1.0	<LOQ		Pass
Mercury	0.394	1.2	<LOQ		Pass

LOQ = Limit of Quantitation; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

Mycotoxins by ELISA- Medical Pass

Date Analyzed: 10/04/2021 Analyst Initials: bab

Analyte	LOQ	Limit	Mass	Q	Status
	ppb	ppb	ppb		
Aflatoxins Total	2.00	20	5.61		Pass
Ochratoxin A	4.00	20	<LOQ		Pass

LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Total Aflatoxins includes Aflatoxins B1, B2, G1, and G2.



C4 LABORATORIES

7650 E. Evans Rd, Unit A
 Scottsdale, AZ 85260
 (480) 219-6460
<http://www.c4lab.com>
 Lic.# 00000005LCMI00301434

Dennis Wells
 CSO/QAM

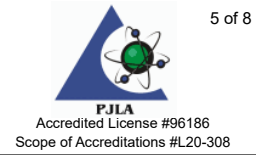


This product has been tested by C4 Laboratories LLC using valid testing methodologies and a quality system as required by Arizona state law. Results marked as 'Pass' or 'Fail' are done so in reference to R9-17: Arizona Administrative Code (A.A.C.) Title 9, Chapter 17, May 3, 2021. Values reported relate only to the product tested as received. C4 Laboratories LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. Contact C4 Laboratories LLC for a technical report related to this sample. This Certificate shall not be reproduced except in full, without the written approval of C4 Laboratories LLC. AZDHS certification 00000005LCMI00301434.



Certificate of Analysis

AZDHS Certification # 05LCMI00301434



Big Bud Farms
 12550 W Thunderbird Rd
 El Mirage, AZ 85335
 (623) 742-5912
 Lic#: 1592258DARY4650716

Sample: S109087-11
 CC ID#: 2109C4L0090.5011
 Lot#: N/A
 Batch#: MAC13
 Batch Size: N/A

FINAL

Sample Name: MAC
Strain Name: MAC
Matrix: Concentrates Extracts

Sample Received: 09/28/2021
 Report Created: 10/12/2021

Microbials Pass

E. coli by 3M Petrifilm- Medical

Plate

Date Analyzed: 10/11/2021 Analyst Initials: KAM

Analyte	LOQ	Limit	Mass	Q	Status
	cfu/g	cfu/g	cfu/g		
E. coli	1.0	100	<LOQ		Pass

Notes: Aerobic plate counts and yeast and mold are provided for informational purposes only.
 LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; NR = Not Reported; NT = Not Tested;
 ND = Not Detected; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Aspergillus includes species flavus, fumigatus, niger, and terreus.
 E. coli by Petrifilm, Salmonella and Aspergillus by Medicinal Genomics.

Aspergillus and Salmonella by qPCR - Medical

qPCR

Date Analyzed: 10/04/2021 Analyst Initials: DHV

Analyte	LOQ	Limit	Mass	Q	Status
	cfu/g	cfu/g	cfu/g		
Salmonella spp.	1	1	<LOQ		Pass
Aspergillus	1	1	<LOQ		Pass

Notes: Aerobic plate counts and yeast and mold are provided for informational purposes only.
 LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; NR = Not Reported; NT = Not Tested;
 ND = Not Detected; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Aspergillus includes species flavus, fumigatus, niger, and terreus.
 E. coli by Petrifilm, Salmonella and Aspergillus by Medicinal Genomics.



C4 LABORATORIES

7650 E. Evans Rd, Unit A
 Scottsdale, AZ 85260
 (480) 219-6460
<http://www.c4lab.com>
 Lic.#00000005LCMI00301434

Dennis Wells
 CSO/QAM

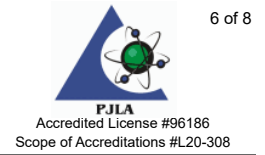


This product has been tested by C4 Laboratories LLC using valid testing methodologies and a quality system as required by Arizona state law. Results marked as 'Pass' or 'Fail' are done so in reference to R9-17: Arizona Administrative Code (A.A.C.) Title 9, Chapter 17, May 3, 2021. Values reported relate only to the product tested as received. C4 Laboratories LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. Contact C4 Laboratories LLC for a technical report related to this sample. This Certificate shall not be reproduced except in full, without the written approval of C4 Laboratories LLC. AZDHS certification 00000005LCMI00301434.



Certificate of Analysis

AZDHS Certification # 05LCMI00301434



Big Bud Farms
 12550 W Thunderbird Rd
 El Mirage, AZ 85335
 (623) 742-5912
 Lic#: 1592258DARY4650716

Sample: S109087-11
 CC ID#: 2109C4L0090.5011
 Lot#: N/A
 Batch#: MAC13
 Batch Size: N/A

FINAL

Sample Name: MAC
Strain Name: MAC
Matrix: Concentrates Extracts

Sample Received: 09/28/2021
 Report Created: 10/12/2021

Residual Solvents by Headspace GCMS - Medical

Pass

Date Analyzed: 10/01/2021 Analyst Initials: jfl

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Acetone	115	1000	<LOQ		Pass	2,3-Dimethylbutane	36.9		<LOQ		
Acetonitrile	46.1	410	<LOQ		Pass	2-Propanol (IPA)	576	5000	<LOQ		Pass
Benzene	0.6	2	<LOQ	M1	Pass	Isopropyl acetate	576	5000	<LOQ		Pass
Butanes	576	5000	<LOQ		Pass	Methanol	346	3000	<LOQ		Pass
n-Butane	576		<LOQ	M1		Pentanes	576	5000	<LOQ		Pass
iso-Butane	576		<LOQ	M1		n-Pentane	576		<LOQ		
Chloroform	13.8	60	<LOQ	1, M1, V1	Pass	iso-pentane	576		<LOQ		
Dichloromethane	69.1	600	<LOQ		Pass	neo-Pentane	576		<LOQ	M1	
Ethanol	576	5000	<LOQ		Pass	Propane	576	5000	<LOQ	M1, V1	Pass
Ethyl acetate	576	5000	<LOQ		Pass	Toluene	106	890	<LOQ		Pass
Diethyl Ether	576	5000	<LOQ		Pass	Xylenes	253	2170	<LOQ		Pass
n-Heptane	576	5000	<LOQ		Pass	m/p-Xylene	507		<LOQ		
Hexanes	36.9	290	<LOQ		Pass	o-Xylene	253		<LOQ		
n-Hexane	36.9		<LOQ			Ethyl benzene	253		<LOQ		
2-Methylpentane	36.9		<LOQ								
3-Methylpentane	36.9		<LOQ								
2,2-Dimethylbutane	36.9		<LOQ								

LOQ = Limit of Quantitation; ND = Not Detected;
 Unless otherwise stated all quality control samples performed
 within specifications established by the Laboratory.
 Solvents method: GC/MS



C4 LABORATORIES

7650 E. Evans Rd, Unit A
 Scottsdale, AZ 85260
 (480) 219-6460
<http://www.c4lab.com>
 Lic.#0000005LCMI00301434

Dennis Wells
 CSO/QAM



This product has been tested by C4 Laboratories LLC using valid testing methodologies and a quality system as required by Arizona state law. Results marked as 'Pass' or 'Fail' are done so in reference to R9-17: Arizona Administrative Code (A.A.C.) Title 9, Chapter 17, May 3, 2021. Values reported relate only to the product tested as received. C4 Laboratories LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. Contact C4 Laboratories LLC for a technical report related to this sample. This Certificate shall not be reproduced except in full, without the written approval of C4 Laboratories LLC. AZDHS certification 0000005LCMI00301434.



Certificate of Analysis

AZDHS Certification # 05LCMI00301434



PJLA
Accredited License #96186
Scope of Accreditations #L20-308

Big Bud Farms
12550 W Thunderbird Rd
El Mirage, AZ 85335
(623) 742-5912
Lic#: 1592258DARY4650716

Sample: S109087-11
CC ID#: 2109C4L0090.5011
Lot#: N/A
Batch#: MAC13
Batch Size: N/A

FINAL

Sample Name: MAC
Strain Name: MAC
Matrix: Concentrates Extracts

Sample Received: 09/28/2021
Report Created: 10/12/2021

Notes and Definitions

Item	Definition
L1	The percent recovery of the LCS was outside of control limits for the test but analyte was not detected above the Action Limit in Table 3.1.
M1	Matrix Spike recovery was higher than control limit but recovery of the LCS was within control limits.
M2	Matrix Spike recovery was lower than control limit but recovery of the LCS was within control limits.
V1	CCV recovery exceeded control limits but the sample analyte concentration was below maximum allowable concentrations in table 3.1
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.



C4 LABORATORIES

7650 E. Evans Rd, Unit A
Scottsdale, AZ 85260
(480) 219-6460
<http://www.c4lab.com>
Lic.#00000005LCMI00301434

Dennis Wells
CSO/QAM



ARIZONA DEPARTMENT
OF HEALTH SERVICES

This product has been tested by C4 Laboratories LLC using valid testing methodologies and a quality system as required by Arizona state law. Results marked as 'Pass' or 'Fail' are done so in reference to R9-17: Arizona Administrative Code (A.A.C.) Title 9, Chapter 17, May 3, 2021. Values reported relate only to the product tested as received. C4 Laboratories LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. Contact C4 Laboratories LLC for a technical report related to this sample. This Certificate shall not be reproduced except in full, without the written approval of C4 Laboratories LLC. AZDHS certification 00000005LCMI00301434.

Empty PDFFilePath marker encountered