



## CERTIFICATE OF ANALYSIS

PRODUCED: OCT 03, 2023

SAMPLE: BLUE COOKIES SUGAR\_1G (CONCENTRATE) // CLIENT: MORGAN COUNTY FARMS // BATCH: PASS



**BATCH NO.:** 1A40C010000264A000000946  
**LOT NO.:** 1A40C010000264A000000945  
**MATRIX:** CONCENTRATE  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** GPA-230928-007  
**COLLECTED ON:** SEP 28, 2023  
**RECEIVED ON:** SEP 28, 2023  
**BATCH/SAMPLE SIZE:** 680 G / 13 G  
**RECEIVED BY:** DAVID JAMESON  
**PACKAGE SIZE:** 1 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>66.51 %</b>
<b>TOTAL CBD:</b>	<b>0.1101 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>80.8145 %</b>

### CULTIVATOR INFO

**CULTIVATOR**  
BTMD HOLDINGS LLC

**LICENSE**  
CUL000055  
MEDICINAL - CULTIVATOR LICENSE

### MANUFACTURER INFO

**MANUFACTURER**  
BTMD HOLDINGS LLC  
28580 HIGHWAY 5  
GRAVOIS MILLS, MO 65037

**LICENSE**  
MAN000011  
MEDICINAL - MANUFACTURING  
LICENSE

### BATCH RESULT: PASS

<b>POTENCY</b>	TESTED	<b>MYCOTOXINS</b>	PASS
<b>FOREIGN</b>	PASS	<b>PESTICIDES</b>	PASS
<b>METALS</b>	PASS	<b>SOLVENTS</b>	PASS
<b>MICROBIAL</b>	PASS		

### CANNABINOID PROFILE BY UPLC-UV // SEP 29, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.2140 %	2.140 mg/g		0.05000/0.1600	N/A	$\Delta^9$ -THC	11.79 %	117.9 mg/g		0.2200/0.6600	N/A
CBCA	0.6450 %	6.450 mg/g		0.01000/0.03000	N/A	THCA	62.39 %	623.9 mg/g		0.01000/0.04000	N/A
CBD	ND	ND		0.1600/0.5000	N/A	THCV	0.3185 %	3.185 mg/g		0.1000/0.3100	N/A
CBDA	0.1255 %	1.255 mg/g		0.09000/0.2700	N/A	THCVA	1.528 %	15.28 mg/g		0.1900/0.5600	N/A
CBDV	ND	ND		0.09000/0.2600	N/A	<b>TOTAL THC**</b>	66.51 %	665.1 mg/g			N/A
CBDVA	ND	ND		0.06000/0.1900	N/A	<b>TOTAL CBD**</b>	0.1101 %	1.101 mg/g			N/A
CBG	0.6400 %	6.400 mg/g		0.1300/0.3800	N/A	CBD/PKG	ND				N/A
CBGA	2.672 %	26.72 mg/g		0.1000/0.3100	N/A	$\Delta^9$ -THC/PKG	117.9 mg				N/A
CBN	0.4915 %	4.915 mg/g		0.07000/0.2000	N/A	<b>TOTAL THC/PKG**</b>	665.1 mg				N/A
$\Delta^9$ -THC	< LOQ	< LOQ		0.2400/3.000	N/A	<b>TOTAL CBD/PKG**</b>	1.101 mg				N/A

\*\* TOTAL CBD = (CBDA X 0.877) + CBD

\*\* TOTAL THC = (THCA X 0.877) + THC



**RESULTS CERTIFIED BY:** CULLEN MILLER  
 LABORATORY DIRECTOR, GREEN PRECISION ANALYTICS  
 OCT 03, 2023

*Cullen J. Miller*

## HEAVY METAL TESTING BY ICP-MS // SEP 29, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	0.2 µg/g	ND	0.0005000/0.001000	PASS
CADMIUM	0.2 µg/g	0.001006	0.0005000/0.001000	PASS
CHROMIUM	0.6 µg/g	0.1437	0.0005000/0.001000	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
LEAD	0.5 µg/g	0.1829	0.0005000/0.001000	PASS
MERCURY	0.1 µg/g	ND	0.0001000/0.0002000	PASS

## MICROBIAL ANALYSIS BY QPCR // OCT 03, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS SPP.	Any amt in 1 gram	ND	PASS
SALMONELLA SPP.	Any amt in 1 gram	ND	PASS

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
SHIGA TOXIN-PRODUCING E. COLI	Any amt in 1 gram	ND	PASS

## FOREIGN MATTER TESTING BY MICROSCOPY // SEP 29, 2023

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
FOREIGN MATTER	2 %	ND	PASS

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
STEMS	5 %	ND	PASS

## RESIDUAL SOLVENTS TESTING BY GC-MS/MS // OCT 01, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	2 µg/g	ND	0.1130/0.3410	PASS
ACETONE	750 µg/g	< LOQ	1.667/5.053	PASS
ACETONITRILE	60 µg/g	ND	7.143/21.65	PASS
BENZENE	1 µg/g	ND	0.04200/0.1260	PASS
BUTANE	800 µg/g	772.3	3.468/10.51	PASS
CHLOROFORM	2 µg/g	ND	0.1820/0.5520	PASS
ETHANOL	1000 µg/g	232.2	2.964/8.982	PASS
ETHYL ACETATE	400 µg/g	15.50	2.218/6.722	PASS
ETHYLENE OXIDE	5 µg/g	ND	0.3170/0.9610	PASS
ETHYL ETHER	500 µg/g	ND	2.416/7.320	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
HEPTANE	500 µg/g	ND	2.304/6.982	PASS
HEXANE	50 µg/g	ND	3.201/9.701	PASS
ISOPROPYL ALCOHOL	500 µg/g	33.20	3.626/10.99	PASS
METHANOL	250 µg/g	ND	5.557/16.84	PASS
METHYLENE CHLORIDE	125 µg/g	ND	0.03400/0.1030	PASS
PENTANE	750 µg/g	ND	2.916/8.836	PASS
PROPANE	2100 µg/g	ND	4.097/12.42	PASS
TOLUENE	150 µg/g	ND	3.050/9.241	PASS
TRICHLOROETHYLENE	25 µg/g	ND	0.05400/0.1640	PASS
TOTAL XYLENES	150 µg/g	ND		PASS

## MYCOTOXIN TESTING BY LC-MS/MS // OCT 01, 2023

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	1.420/4.300	N/A
AFLATOXIN B2		ND	1.270/3.850	N/A
AFLATOXIN G1		ND	1.730/5.240	N/A

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN G2		ND	1.380/4.180	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	3.620/10.98	PASS



## PESTICIDE TESTING BY LC-MS/MS // OCT 01, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	0.03691/0.1119	PASS	IMIDACLOPRID	0.4 µg/g	ND	0.01518/0.04599	PASS
ACEPHATE	0.4 µg/g	ND	0.02088/0.06328	PASS	KRESOXIM-METHYL	0.4 µg/g	ND	0.01845/0.05592	PASS
ACEQUINOCYL	2 µg/g	ND	0.03553/0.1077	PASS	MALATHION	0.2 µg/g	ND	0.01412/0.04278	PASS
ACETAMIPRID	0.2 µg/g	ND	0.009370/0.02838	PASS	METALAXYL	0.2 µg/g	ND	0.008100/0.02454	PASS
ALDICARB	0.4 µg/g	ND	0.03054/0.09256	PASS	METHIOCARB	0.2 µg/g	ND	0.009680/0.02934	PASS
AZOXYSTROBIN	0.2 µg/g	ND	0.02597/0.07870	PASS	METHOMYL	0.4 µg/g	ND	0.007170/0.02172	PASS
BIFENAZATE	0.2 µg/g	ND	0.01462/0.04430	PASS	METHYL PARATHION	0.2 µg/g	ND	0.04763/0.1443	PASS
BIFENTHRIN	0.2 µg/g	ND	0.04703/0.1425	PASS	MGK-264	0.2 µg/g	ND	0.02057/0.06234	PASS
BOSCALID	0.4 µg/g	ND	0.02658/0.08055	PASS	MYCLOBUTANIL	0.2 µg/g	ND	0.01239/0.03755	PASS
CARBARYL	0.2 µg/g	ND	0.009920/0.03005	PASS	NALED	0.5 µg/g	ND	0.01773/0.05372	PASS
CARBOFURAN	0.2 µg/g	ND	0.008910/0.02700	PASS	OXAMYL	1 µg/g	ND	0.01032/0.03128	PASS
CHLORANTRANILIPROLE	0.2 µg/g	ND	0.01000/0.02000	PASS	PACLOBUTRAZOL	0.4 µg/g	ND	0.01293/0.03917	PASS
CHLORFENAPYR	1 µg/g	ND	0.06244/0.1892	PASS	PERMETHRIN	0.2 µg/g	ND	0.05361/0.1625	PASS
CHLORMEQUAT CL	0.2 µg/g	ND	0.006510/0.01974	PASS	PHOSMET	0.2 µg/g	ND	0.01072/0.03249	PASS
CHLORPYRIFOS	0.2 µg/g	ND	0.01772/0.05371	PASS	PIPERONYLBUTOXIDE	2 µg/g	ND	0.01549/0.04694	PASS
CLOFENTEZINE	0.2 µg/g	ND	0.02230/0.06756	PASS	PRALLETHRIN	0.2 µg/g	ND	0.02359/0.07149	PASS
CYFLUTHRIN	1 µg/g	ND	0.07465/0.2262	PASS	PROPICONAZOLE	0.4 µg/g	ND	0.01497/0.04536	PASS
CYPERMETHRIN	1 µg/g	ND	0.03344/0.1013	PASS	PROPOXUR	0.2 µg/g	ND	0.01071/0.03244	PASS
DAMINOZIDE	1 µg/g	ND	0.01702/0.05158	PASS	PYRETHRINS	1 µg/g	ND		PASS
DIAZINON	0.2 µg/g	ND	0.02114/0.06407	PASS	PYRETHRINS PYRETHRIN I		ND	0.01683/0.05100	N/A
DICHLORVOS	1 µg/g	ND	0.02094/0.06345	PASS	PYRETHRINS PYRETHRIN II		ND	0.02930/0.08878	N/A
DIMETHOATE	0.2 µg/g	ND	0.01062/0.03219	PASS	PYRIDABEN	0.2 µg/g	ND	0.01780/0.05393	PASS
ETHOPROPHOS	0.2 µg/g	ND	0.007760/0.02352	PASS	SPINOSAD	0.2 µg/g	ND		PASS
ETOFENPROX	0.4 µg/g	ND	0.01958/0.05932	PASS	SPINOSAD A		ND	0.03196/0.09686	N/A
ETOXAZOLE	0.2 µg/g	ND	0.009670/0.02931	PASS	SPINOSAD D		ND	0.03877/0.1175	N/A
FENOXYCARB	0.2 µg/g	ND	0.009740/0.02950	PASS	SPIROMESIFEN	0.2 µg/g	ND	0.01725/0.05226	PASS
FENPYROXIMATE	0.4 µg/g	ND	0.02431/0.07366	PASS	SPIROTETRAMAT	0.2 µg/g	ND	0.01591/0.04822	PASS
FIPRONIL	0.4 µg/g	ND	0.03877/0.1175	PASS	SPIROXAMINE	0.4 µg/g	ND	0.01024/0.03104	PASS
FLONICAMID	1 µg/g	ND	0.02196/0.06655	PASS	TETRACONAZOLE	0.4 µg/g	ND	0.009000/0.02728	PASS
FLUDIOXONIL	0.4 µg/g	ND	0.08335/0.2526	PASS	THIACLOPRID	0.2 µg/g	ND	0.007530/0.02283	PASS
HEXYTHIAZOX	1 µg/g	ND	0.01474/0.04466	PASS	THIAMETHOXAM	0.4 µg/g	ND	0.007600/0.02303	PASS
IMAZALIL	0.2 µg/g	ND	0.008850/0.02681	PASS	TRIFLOXYSTROBIN	0.2 µg/g	ND	0.02527/0.07657	PASS

## ACCREDITATIONS



CERT # 6318.01

ISO/IEC  
17025:2017

### A2LA ACCREDITED

#### PESTICIDE TESTING BY LC-MS/MS

ABAMECTIN, ACEPHATE, ACEQUINOCYL, ACETAMIPRID, ALDICARB, AZOXYSTROBIN, BIFENAZATE, BIFENTHRIN, BOSCALID, CARBARYL, CARBOFURAN, CHLORANTRANILIPROLE, CHLORFENAPYR, CHLORMEQUAT CL, CHLORPYRIFOS, CLOFENTEZINE, CYFLUTHRIN, CYPERMETHRIN, DAMINOZIDE, DICHLORVOS, DIAZINON, DIMETHOATE, ETHOPROPHOS, ETOFENPROX, ETOXAZOLE, FENOXYCARB, FENPYROXIMATE, FIPRONIL, FLONICAMID, FLUDIOXONIL, HEXYTHIAZOX, IMAZALIL, IMIDACLOPRID, KRESOXIM-METHYL, MALATHION, METALAXYL, METHIOCARB, METHOMYL, METHYL PARATHION, MGK-264, MYCLOBUTANIL, NALED, OXAMYL, PACLOBUTRAZOL, PERMETHRIN, PRALLETHRIN, PHOSMET, PIPERONYLBUTOXIDE, PROPICONAZOLE, PROPOXUR, PYRIDABEN, PYRETHRINS, PYRETHRINS PYRETHRIN I, PYRETHRINS PYRETHRIN II, SPINOSAD, SPINOSAD A, SPINOSAD D, SPIROMESIFEN, SPIROTETRAMAT, SPIROXAMINE, TETRACONAZOLE, THIACLOPRID, THIAMETHOXAM, TRIFLOXYSTROBIN

#### RESIDUAL SOLVENTS TESTING BY GC-MS/MS

1,1-DICHLOROETHANE, 1,2-DICHLOROETHANE, ACETONE, ACETONITRILE, BENZENE, BUTANE, BUTANES, CHLOROFORM, ETHANOL, ETHYL ACETATE, ETHYL ETHER, ETHYLENE OXIDE, HEPTANE, HEXANE, HEXANES, ISOPROPYL ALCOHOL, METHANOL, METHYLENE CHLORIDE, PENTANE, PENTANES, PROPANE, TOLUENE, TRICHLOROETHYLENE, TOTAL XYLENES

#### CANNABINOID PROFILE BY UPLC-UV

THCA, CBD, CBDA, CBG, CBN, CBC, DELTA-9-THC, DELTA-8-THC, CBDV, CBGA, CBCA, CBDVA, THCV, THCVA, TOTAL THC, TOTAL CBD

#### MICROBIAL ANALYSIS BY QPCR

ASPERGILLUS SPP., ESCHERICHIA COLI, SALMONELLA SPP., SHIGA TOXIN-PRODUCING E. COLI

#### MYCOTOXIN TESTING BY LC-MS/MS

AFLATOXINS, AFLATOXIN B1, AFLATOXIN B2, AFLATOXIN G1, AFLATOXIN G2, OCHRATOXIN A

#### HEAVY METAL TESTING BY ICP-MS

ARSENIC, CADMIUM, LEAD, MERCURY, CHROMIUM

#### FOREIGN MATTER TESTING BY MICROSCOPY

FOREIGN MATTER, STEMS

