Twenty One Cannabis

Certificate: 1047

Sample ID: 2310SMAZ0167.0465
Batch #: 10

SMITHERS

CERTIFICATE OF ANALYSIS

License #: 00000020LCVT89602592

Hemp THCa Flower

Batch #: 10
Strain: 000010 Gorilla Freeze Cake
Parent Batch #:
Sample Collected:
Published: 10/30/2023

Sample ID: 2310SMAZ0167.0465
Amount Received: 5 g
Sample Type: Flower - Cured
Received: 10/18/2023

No Preview Available

COMPLIANCE FOR RETAIL

Regulated Analytes

Cannabinoid Profile (Q3)	Microbial Contaminants	Residual Solvents
Tested	Not Tested	Not Tested

Pesticides, Fungicides, and Growth Regulators	Mycotoxins	Heavy Metals
Pass	Not Tested	Pass

Additional Analytes (Not Regulated)

Terpenes Total (Q3)	Moisture Analysis (Q3)	Water Activity (Q3)
Not Tested	Not Tested	Not Tested

Filth & Foreign (Q3)	Homogeneity (Q3)
Not Tested	Not Tested

18.045% Total THC	
0.052% Total CBD	
ND CBN	
ND CBG	
22.618% Total Cannabinoids (Q3)	

Ahmed Munshi

Technical Laboratory Director

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ilac-MRA

PJLA Testing
Accreditation #: 103104

Twenty One Cannabis

SMITHERS

CERTIFICATE OF ANALYSIS

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Certificate: 1047

Sample ID: 2310SMAZ0167.0465
Batch #: 10

Cannabinoid Profile

HPLC **Tested**

Sample Prep

Batch Date: 10/18/2023
SOP: 418.AZ
Batch Number: 184

Sample Analysis

Date: 10/19/2023
SOP: 417.AZ - HPLC
Sample Weight: 0.1079 g
Volume: 40 mL

Analyte	LOD (mg/g)	LOQ (mg/g)	Dil.	Actual % (w/w)	mg/g	Qualifier
CBC	0.119	0.362	1	ND	ND	
CBD	0.119	0.362	1	ND	ND	
CBDA	0.119	0.362	1	0.059	0.593	
CBDV	0.119	0.362	1	ND	ND	
CBG	0.119	0.362	1	ND	ND	
CBGA	0.119	0.362	1	2.030	20.301	
CBN	0.119	0.362	1	ND	ND	
d8-THC	0.119	0.362	1	ND	ND	
d9-THC	0.119	0.362	1	0.241	2.412	
THCA	0.119	0.362	1	20.187	201.869	
THCV	0.119	0.362	1	ND	ND	

Cannabinoid Totals	Actual % (w/w)	mg/g	Qualifier
Total THC	18.045	180.451	
Total CBD	0.052	0.520	
Total Cannabinoids	22.618	226.176	Q3

Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)
ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

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Twenty One Cannabis

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CERTIFICATE OF ANALYSIS

License #: 00000020LCVT89602592

Certificate: 1047

Sample ID: 2310SMAZ0167.0465
Batch #: 10

Heavy Metals

ICP-MS **Pass**

Sample Prep

Batch Date: 10/19/2023
SOP: 428.AZ
Batch Number: 188

Sample Analysis

Date: 10/19/2023
SOP: 428.AZ - ICP-MS
Sample Weight: 0.2230 g
Volume: 6 mL

Analyte	LOD (ppm)	LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Arsenic	0.018	0.179	10	0.4	ND	
Cadmium	0.018	0.179	10	0.4	ND	
Lead	0.018	0.449	10	1	<LOQ	
Mercury	0.018	0.090	10	0.2	ND	

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Twenty One Cannabis

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CERTIFICATE OF ANALYSIS

License #: 00000020LCVT89602592

Certificate: 1047

Sample ID: 2310SMAZ0167.0465
Batch #: 10

Pesticides, Fungicides, and Growth Regulators

LC-MS/MS **Pass**

Sample Prep

Batch Date: 10/18/2023
SOP: 432.AZ
Batch Number: 178

Sample Analysis

Date: 10/19/2023
SOP: 424.AZ - LC-MS/MS
Sample Weight: 0.5233 g
Volume: 12.5 mL

Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier	Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Abamectin B1a	0.079 / 0.239	1	0.5	ND	I1	Hexythiazox	0.160 / 0.478	1	1	ND	M2
Acephate	0.064 / 0.191	1	0.4	ND		Imazalil	0.032 / 0.096	1	0.2	ND	
Acetamiprid	0.032 / 0.096	1	0.2	ND		Imidacloprid	0.064 / 0.191	1	0.4	ND	
Aldicarb	0.064 / 0.191	1	0.4	ND		Kresoxim-methyl	0.064 / 0.191	1	0.4	ND	
Azoxystrobin	0.032 / 0.096	1	0.2	ND		Malathion	0.032 / 0.096	1	0.2	ND	
Bifenazate	0.032 / 0.096	1	0.2	ND		Metalaxyl	0.032 / 0.096	1	0.2	ND	
Bifenthrin	0.032 / 0.096	1	0.2	ND	M2	Methiocarb	0.032 / 0.096	1	0.2	ND	M1
Boscalid	0.064 / 0.191	1	0.4	ND	M1	Methomyl	0.064 / 0.191	1	0.4	ND	
Carbaryl	0.032 / 0.096	1	0.2	ND		Myclobutanil	0.032 / 0.096	1	0.2	ND	M1
Carbofuran	0.032 / 0.096	1	0.2	ND		Naled	0.079 / 0.239	1	0.5	ND	
Chlorantraniliprole	0.032 / 0.096	1	0.2	ND	M1	Oxamyl	0.160 / 0.478	1	1	ND	
Chlorfenapyr	0.160 / 0.478	1	1	ND	I1, M1	Paclobutrazol	0.064 / 0.191	1	0.4	ND	M1
Chlorpyrifos	0.032 / 0.096	1	0.2	ND	M2	Permethrins	0.032 / 0.096	1	0.2	ND	I1, M2
Clofentezine	0.032 / 0.096	1	0.2	ND		Phosmet	0.032 / 0.096	1	0.2	ND	
Cyfluthrin	0.160 / 0.478	1	1	ND		Piperonyl Butoxide	0.318 / 0.955	1	2	ND	M2
Cypermethrin	0.160 / 0.478	1	1	ND	M2	Prallethrin	0.032 / 0.096	1	0.2	ND	
Daminozide	0.160 / 0.478	1	1	ND		Propiconazole	0.064 / 0.191	1	0.4	ND	
Diazinon	0.032 / 0.096	1	0.2	ND		Propoxur	0.032 / 0.096	1	0.2	ND	
Dichlorvos	0.016 / 0.048	1	0.1	ND		Pyrethrins	0.134 / 0.400	1	1	ND	I1, M1
Dimethoate	0.032 / 0.096	1	0.2	ND		Pyridaben	0.032 / 0.096	1	0.2	ND	M2
Ethoprophos	0.032 / 0.096	1	0.2	ND		Spinosad	0.032 / 0.096	1	0.2	ND	M2
Etofenprox	0.064 / 0.191	1	0.4	ND		Spiromesifen	0.032 / 0.096	1	0.2	ND	
Etoxazole	0.032 / 0.096	1	0.2	ND		Spirotetramat	0.032 / 0.096	1	0.2	ND	
Fenoxycarb	0.032 / 0.096	1	0.2	ND		Spiroxamine	0.064 / 0.191	1	0.4	ND	
Fenpyroximate	0.064 / 0.191	1	0.4	ND	M2	Tebuconazole	0.064 / 0.191	1	0.4	ND	
Fipronil	0.064 / 0.191	1	0.4	ND		Thiacloprid	0.032 / 0.096	1	0.2	ND	
Flonicamid	0.160 / 0.478	1	1	ND		Thiamethoxam	0.032 / 0.096	1	0.2	ND	
Fludioxonil	0.064 / 0.191	1	0.4	ND	M1	Trifloxystrobin	0.032 / 0.096	1	0.2	ND	M2

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Qualifier Legend

B1	*The target analyte detected in the calibration is at or above the limit of quantitation, but the sample result for potency testing, is below the limit of quantitation.*
B2	*The target analyte detected in the calibration blank, or the method blank is at or above the limit of quantitation, but the sample result when testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, is below the maximum allowable concentration for the analyte.*
D1	*The limit of quantitation and the sample results were adjusted to reflect sample dilution.*
I1	*The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance with respect to the reference spectra, indicating interference.*
L1	*When testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, the percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample.*
M1	*The recovery from the matrix spike was high, but the recovery from the laboratory control sample was within acceptance criteria.*
M2	*The recovery from the matrix spike was low, but the recovery from the laboratory control sample was within acceptance criteria.*
M3	*The recovery from the matrix spike was unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample was within acceptance criteria.*
M4	*The analysis of a spiked sample required a dilution such that the spike recovery calculation does not provide useful information, but the recovery from the associated laboratory control sample was within acceptance criteria.*
M5	*The analyte concentration was determined by the method of standard addition, in which the standard is added directly to the aliquots of the analyzed sample.*
M6	*A description of the variance is described in the final report of testing according to R9-17- 404.06(B)(3)(d)(ii).*
Q1	*Sample integrity was not maintained.*
Q2	*The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices.*
Q3	*Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317.*
R1	*The relative percent difference for the laboratory control sample and duplicate exceeded the limit, but the recovery was within acceptance criteria.*
R2	*The relative percent difference for a sample and duplicate exceeded the limit.*
V1	*The recovery from continuing calibration verification standards exceeded the acceptance limits, but the sample's target analytes were not detected above the maximum allowable for the analytes in the sample.*

Notes:

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