



Certificate of Analysis

Shovels Brands

Sample: 2308FID3869.25229

Strain: Gushmints

Batch #: ; Lot #:

METRC Batch: 1A4080100008CA1000001007; METRC Sample: 1A4080100008CA1000001009

Analysis Initiated: 08/11/2023; Report Created: 08/16/2023

Sampling SOP: SOP-0050

Gushmints_20230811_1

Plant, Flower - Cured

Harvest/Production Date: 07/05/2023



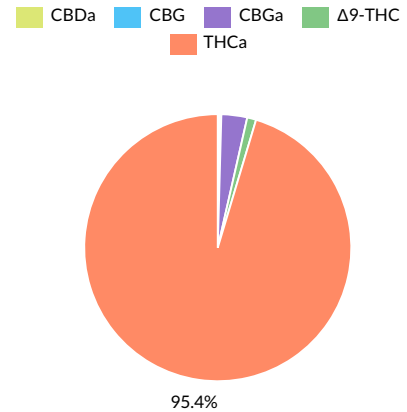
	32.10% Total Potential Psychoactive THC	0.06% Total CBD	Pass Foreign Matter
	36.54% Total Raw THC	37.89% Total Cannabinoids	Pass 10.62% Moisture

Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 07202023

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.05	36.13	361.3
Δ9-THC	0.05	0.41	4.1
Δ8-THC	0.05	ND	ND
THCV	0.05	ND	ND
CBDa	0.05	0.07	0.7
CBD	0.05	ND	ND
CBN	0.05	ND	ND
CBGa	0.05	1.18	11.8
CBG	0.05	0.09	0.9
CBC	0.05	ND	ND
Total		37.89	378.9



Total Potential Psychoactive THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

SOP-0037; Full spectrum cannabinoid analysis by High Performance Liquid Chromatography with UV detection (HPLC-UV). Reported result is based on sample dry weight.

SOP-0035; Foreign matter inspection includes but is not limited to hair, insects, stems, and feces. Filth is inspected using a M16-209 stereoscope. Stem measurements are performed using fisher calipers.

SOP-0036; Moisture analysis is performed using a Shimadzu moisture analyzer MOC63u UL.



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Accreditation #: 102722

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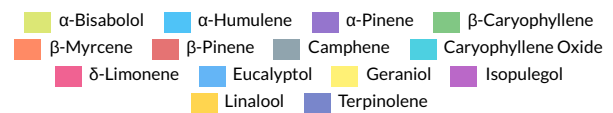
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Terpenes

Analytical Calibration Batch: Terpenes 06272023

Analyte	LOQ	Mass	Mass
	%	%	mg/g
δ-Limonene	0.008	0.657	6.57
β-Caryophyllene	0.008	0.488	4.88
Linalool	0.008	0.199	1.99
α-Humulene	0.008	0.140	1.40
β-Pinene	0.008	0.117	1.17
β-Myrcene	0.008	0.100	1.00
α-Pinene	0.008	0.067	0.67
Camphene	0.008	0.024	0.24
α-Bisabolol	0.008	0.019	0.19
Geraniol	0.008	0.018	0.18
Isopulegol	0.008	0.014	0.14
Caryophyllene Oxide	0.008	0.012	0.12
Terpinolene	0.008	0.011	0.11
Eucalyptol	0.008	0.010	0.10
α-Terpinene	0.008	ND	ND
cis-Nerolidol	0.008	ND	ND
δ-3-Carene	0.008	ND	ND
γ-Terpinene	0.008	ND	ND
Guaiol	0.008	ND	ND
Ocimene	0.008	ND	ND
p-Cymene	0.008	ND	ND
trans-Nerolidol	0.008	ND	ND
Total		1.874	18.74



Primary Aromas



LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0044; Terpenoid profile screen is performed using a Thermo Scientific TRACE 1300 Gas Chromatography instrument equipped with a Flame Ionization Detector (GC-FID).



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Residual Solvents

Not Tested

Analytical Calibration Batch:

Analyte	LOQ	State Limits	Mass	Status	Analyte	LOQ	State Limits	Mass	Status
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LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0056; A wide spectrum analysis of Residual Solvents using Gas Chromatography Mass Spectrometry (Thermo Scientific ISQ7000 GCMS).

Mycotoxins

Pass

Analytical Calibration Batch: 08/07/2023

Analyte	LOQ	State Limit	Mass	Status
	PPB	PPB	PPB	
Ochratoxin A	12	20	ND	Pass
Total Aflatoxins	20	20	ND	Pass

Microbials

Pass

Analyte	Limit	Mass	Status
	CFU/g	CFU/g	
	10000	NR	NT
Mold	Not Detected in 1.0g	ND	Pass
Aspergillus flavus	Not Detected in 1.0g	ND	Pass
Aspergillus fumigatus	Not Detected in 1.0g	ND	Pass
Aspergillus niger	Not Detected in 1.0g	ND	Pass
Aspergillus terreus	Not Detected in 1.0g	ND	Pass
Salmonella	Not Detected in 1.0g	ND	Pass
STEC	Not Detected in 1.0g	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0048; Mycotoxin screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.

LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0057; STEC and Salmonella analysis on AriaDX qPCR using Medicinal Genomics validated methods. SOP-0063; Aspergillus species specific analysis on AriaDX qPCR using Medicinal Genomics validated methods. SOP-0061; Mold enumeration using Hardy Diagnostics media.



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Pesticides

Pass

Analytical Calibration Batch: 08/07/2023

Analyte	LOQ	State Limit	Expanded Limit	Mass	Status
	PPM	PPM	PPM	PPM	
Abamectin	0.12	0.5	0.5	ND	Pass
Acequinocyl	0.12	2	2	ND	Pass
Bifenazate	0.12	0.2	0.2	ND	Pass
Bifenthrin	0.12	0.2	0.2	ND	Pass
Chloromequat chloride	0.12	1	1	ND	Pass
Cyfluthrin	0.12	1	1	ND	Pass
Daminozide	0.12	1	1	ND	Pass
Etoxazole	0.12	0.2	0.2	ND	Pass
Fenoxycarb	0.12	0.2	0.2	ND	Pass
Imazalil	0.12	0.2	0.2	ND	Pass
Imidacloprid	0.12	0.4	0.4	ND	Pass
Myclobutanil	0.12	0.2	0.2	ND	Pass
Paclobutrazol	0.12	0.4	0.4	ND	Pass
Pyrethrins	0.12	1	1	ND	Pass
Spinosad	0.12	0.2	0.2	ND	Pass
Spirotetramat	0.12	0.2	0.2	ND	Pass
Trifloxystrobin	0.12	0.2	0.2	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0048; Pesticide screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.



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