



Genesis Testing Labs
 1620 South Main St, Unit A
 Grove, OK 74344
 (918)791-3460
 OMMA # LAAA-EKZ6-UNEB

Certificate of Analysis

Client Name	Minerva Canna OK	License Number	GAAA-E12Q-ARKB
Address	39026 S. Hwy. 82 Vinita, OK 74301	Phone	918-630-4422
Sample ID	SA-113020-4158	Sample Type	Flower
Strain	Blue Dream	Sample Batch #	

Summary of Results			
Potency Profile		Terpene Profile	
Cannabinoid	Result mg/g	Terpene	Result %
CBDV	-	Camphene	0.147978
CBDA	0.0763899	Myrcene	0.341463
CBN	-	β-pinene	0.2654
CBD	0.927591	3-Carene	-
CBGA	8.70299	Delta-limonene	0.181808
CBG	2.49904	Cymene	0.142631
THCV	0.88394	β-Ocimene	0.158127
Δ9-THC	9.96888	Eucalyptol	-
Δ8-THC	-	γ-Terpinene	0.155508
THCA	248.845	α-Terpinene	0.14896
CBC	-	Terpinolene	0.156817
Total THC %	22.8206%	Linalool	0.206143
Total THC mg/g	228.206	Isopulegol	0.153216
Microbiological Profile		Geraniol	-
All Results	Pass	β-Caryophyllene	0.197741
Mycotoxin Screening		Humulene	0.160091
All Results	NT	Nerolidol	0.154526
Residual Solvents		Guaiol	-
All Results	NT	Caryophyllene oxide	0.136629
Heavy Metals Screening		α-Bisabolol	0.128881
All Results	Pass	Total Terpene %	2.83592
Pesticide Screening			
All Results	Pass		

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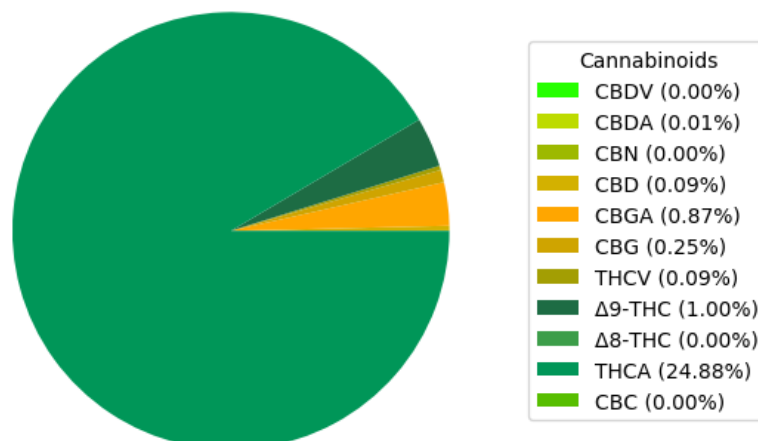
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Potency

Date Analyzed:	Date Completed:	Batch #: BA-120720-655
Instrument: Agilent 1100 HPLC	Method: Internal Method 1	Lab Tech: Audrey Krabacher

Cannabinoid	Result %	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
CBDV	ND	ND	-	1.000
CBDA	0.0076	0.0764	-	1.000
CBN	ND	ND	-	1.000
CBD	0.0928	0.9276	-	1.000
CBGA	0.8703	8.7030	-	1.000
CBG	0.2499	2.4990	-	1.000
THCV	0.0884	0.8839	-	1.000
Δ9-THC	0.9969	9.9689	-	1.000
Δ8-THC	ND	ND	-	1.000
THCA	24.8845	248.845	-	1.000
CBC	ND	ND	-	0.885
% Moisture	9.11			
Total Cannabinoids	27.1904	271.904		
Total CBD	0.0995	0.9946		
Total THC	22.8206	228.206		

Cannabinoid Distribution (%)



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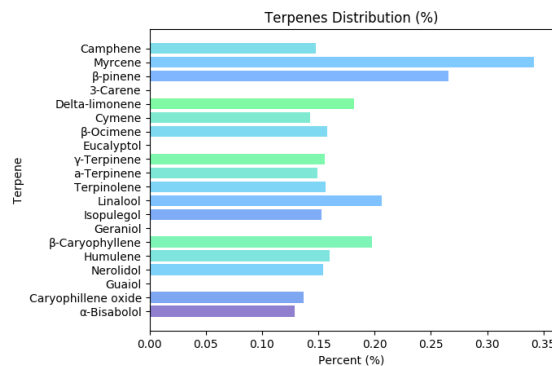
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Terpenoid

Date Analyzed:	Date Completed:	Batch #: BA-120320-625
Instrument: Terpenes by Direct Injection	Method: Internal Method 1	Lab Tech: John Boyle

Terpene	Result (mg/g)	Result (%)	LOD (ug/g)	LOQ (ug/g)
Camphene	1.4798	0.1480	-	0.000004600
Myrcene	3.4146	0.3415	-	0.000004600
β-pinene	2.654	0.2654	-	0.000004600
3-Carene	ND	ND	-	0.000004600
Delta-limonene	1.8181	0.1818	-	0.000004600
Cymene	1.4263	0.1426	-	0.000004600
β-Ocimene	1.5813	0.1581	-	0.000004600
Eucalyptol	ND	ND	-	0.000004600
γ-Terpinene	1.5551	0.1555	-	0.000004600
α-Terpinene	1.4896	0.1490	-	0.000004600
Terpinolene	1.5682	0.1568	-	0.000004600
Linalool	2.0614	0.2061	-	0.000004600
Isopulegol	1.5322	0.1532	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	1.9774	0.1977	-	0.000004600
Humulene	1.6009	0.1601	-	0.000004600
Nerolidol	1.5453	0.1545	-	0.000004600
Guaiol	ND	ND	-	0.000004600
Caryophyllene oxide	1.3663	0.1366	-	0.000004600
α-Bisabolol	1.2888	0.1289	-	0.000004600

Total Terpenes (%): 2.8359



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Foreign Materials

PASS

Date Analyzed: **Date Completed:**
Instrument: Microscope **Method:** Internal Method 1 **Lab Tech:** Ethanie Gillum

Analyte	Result (%)	Threshold (%)	Pass/Fail
Sand, Soils, Cinders, and Dirt	ND	25	Pass
Imbedded Foreign Material	ND	25	Pass
Insect Fragment	ND	1	Pass
Hair	ND	1	Pass
Mammalian Excreta	ND	1	Pass

Heavy Metals

PASS

Date Analyzed: **Date Completed:**
Instrument: HPLC-ICP/MS QQQ (Agilent 1260 and 7900) **Method:** Internal Method 1 **Lab Tech:** John Boyle

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Threshold (ppm)	Pass/Fail
Cadmium	ND	0.50	-	0.4	Pass
Lead	ND	0.50	-	1.0	Pass
Arsenic	ND	0.50	-	0.4	Pass
Mercury	ND	0.50	-	0.2	Pass

Microbial Analysis

PASS

Date Analyzed: **Date Completed:**
Instrument: Binder Incubator and Hardy Wizard Reader **Method:** Hardy Compact Dry **Lab Tech:** Ethanie Gillum

Bacteria/Fungus	Result (CFU/g)	LOD (CFU/g)	LOQ (CFU/g)	Threshold (CFU/g)	Pass/Fail
Escherichia Coli (E. Coli)	ND	1.00	1.00	1	Pass
Yeast/Mold	ND	5000.00	1.00	10,000	Pass
Salmonella spp	ND	1.00	1.00	1	Pass



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Pesticide Profile

PASS

Date Analyzed: **Date Completed:**
Instrument: Agilent LC/MS QQQ **Method:** Internal Method 1 **Lab Tech:** John Boyle

Pesticide	Result (ppm)	LOQ (ppm)	Threshold (ppm)	Pass/Fail
Abamectin	ND	0.1	0.5	Pass
Azoxystrobin	ND	0.1	0.2	Pass
Bifenazate	ND	0.1	0.2	Pass
Etoxazole	ND	0.1	0.2	Pass
Imazalil	ND	0.1	0.2	Pass
Imidacloprid	ND	0.1	0.4	Pass
Malathion	ND	0.1	0.2	Pass
Myclobutanil	ND	0.1	0.2	Pass
Permethrin	ND	0.1	0.2	Pass
Spinosad	ND	0.1	0.2	Pass
Spiromesifen	ND	0.1	0.2	Pass
Spirotetramat	ND	0.1	0.2	Pass
Tebuconazole	ND	0.1	0.4	Pass

Anthony Brixey

James Rhudy

Reviewed By: Anthony Brixey
12/09/2020

Approved By: James Rhudy
12/09/2020