



# CERTIFICATE OF ANALYSIS

Customer: Balanced Health Botanicals - Sheridan, CO 80110

Order #: 706824  
 Batch #: 190930  
 Order Date: 10/04/2019  
 Collection Date: 10/04/2019  
 Report Date: 10/11/2019

Specimen Type: Edible  
 Description: 30mg CBD Nighttime Gummies  
 25 Count  
 Extracted From: Industrial Hemp  
 Method: SOP-3

Initial Gross Weight: 141846.00(mg)  
 Specimen Weight: 1502.30(mg)  
 Net Weight: 4194.52(mg)

### Potency - 11 Details

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC		ND	0.001	CBD	8.159	0.816	0.001	CBDA		ND	0.001
CBDV	0.022	0.002	0.001	CBG		ND	0.001	CBGA		ND	0.001
CBN		ND	0.001	Delta-8-THC		ND	0.001	Delta-9-THC		ND	0.001
THCA-A		ND	0.001	THCV		ND	0.001	Total CBD	8.159	0.816	0.001
Total THC		ND	0.001								

### Potency - 11 Totals

Analyte	Result (mg)	(%)
<b>CBD Total</b>	<b>34.223</b>	<b>0.816</b>
<b>THC Total</b>	<b>ND</b>	<b>ND</b>
<b>CBG Total</b>	<b>ND</b>	<b>ND</b>
<b>CBN Total</b>	<b>ND</b>	<b>ND</b>
<b>Other Cannabinoids Total</b>	<b>0.091</b>	<b>0.002</b>
<b>Total Detected Cannabinoids</b>	<b>34.315</b>	<b>0.818</b>

### Pesticides ( Passed )

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Abamectin	0.500	<LOQ	0.100	Acephate	0.400	<LOQ	0.100	Acequinocyl	2.000	<LOQ	0.750
Acetamiprid	0.200	<LOQ	0.100	Aldicarb	0.400	<LOQ	0.100	Azoxystrobin	0.200	<LOQ	0.100
Bifenazate	0.200	<LOQ	0.100	Bifenthrin	0.200	<LOQ	0.100	Boscalid	0.400	<LOQ	0.100
Carbaryl	0.200	<LOQ	0.100	Carbofuran	0.200	<LOQ	0.100	Chlorantraniliprole	0.200	<LOQ	0.100
Chlorpyrifos	0.200	<LOQ	0.100	Clofentazine	0.200	<LOQ	0.100	Cypermethrin	1.000	<LOQ	0.100
Daminozide	1.000	<LOQ	0.100	Diazinon	0.200	<LOQ	0.100	Dichlorvos	0.100	<LOQ	0.100
Dimethoate	0.200	<LOQ	0.100	Ethoprophos	0.200	<LOQ	0.100	Etofenprox	0.400	<LOQ	0.100
Etoxazole	0.200	<LOQ	0.100	Fenoxycarb	0.200	<LOQ	0.100	Fipronil	0.400	<LOQ	0.100
Flonicamid	1.000	<LOQ	0.100	Fludioxonil	0.400	<LOQ	0.100	Hexythiazox	1.000	<LOQ	0.100
Imazalil	0.200	<LOQ	0.100	Imidacloprid	0.400	<LOQ	0.100	Kresoxim Methyl	0.400	<LOQ	0.100
Malathion A	0.200	<LOQ	0.100	Metalaxyl	0.200	<LOQ	0.100	Methiocarb	0.200	<LOQ	0.100
Methomyl	0.400	<LOQ	0.100	MGK-264	0.200	<LOQ	0.100	Myclobutanil	0.200	<LOQ	0.100
Naled	0.500	<LOQ	0.100	Oxamyl	1.000	<LOQ	0.100	Pacllobutrazol	0.400	<LOQ	0.100
Parathion-methyl	0.200	<LOQ	0.250	Permethrin	0.200	<LOQ	0.100	Phosmet	0.200	<LOQ	0.100
Piperonylbutoxide	2.000	<LOQ	0.100	Prallethrin	0.200	<LOQ	0.100	Propiconazole	0.400	<LOQ	0.100
Propoxur	0.200	<LOQ	0.100	Pvretthrins	1.000	<LOQ	0.100	Pyridaben	0.200	<LOQ	0.100
Spinosyn A	0.200	<LOQ	0.100	Spinosyn D	0.200	<LOQ	0.100	Spiromesifen	0.200	<LOQ	0.100
Spirotetramat	0.200	<LOQ	0.100	Spiroxamine	0.400	<LOQ	0.100	Tebuconazole	0.400	<LOQ	0.100
Thiacloprid	0.200	<LOQ	0.100	Thiamethoxam	0.200	<LOQ	0.100	Trifloxystrobin	0.200	<LOQ	0.100

Thomas Farrell, MD  
Lab Director

\*\* Total CBD = CBD + (CBD-A \* 0.877). Total THC = THCA-A \* 0.877 + Delta 9 THC. \*CBG Total = (CBGA \* 0.877) + CBG. \*CBN Total = (CBNA \* 0.877) + CBN. \*Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A. \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A. \*Total (mg) = Total (%) \* Net Weight(mg). ND = <LOQ. T-Caryophyllene = Trans-Caryophyllene. <LOQ = Less Than Limit of Quantitation. QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram, ppm = (µg/g), ppb = (µg/kg).

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721 Cortaro Drive  
Sun City Center, FL - 33573

P: +1 (866) 762-8379  
F: +1 (813) 634-4538

E: info@acslabcannabis.com  
http://www.acslabcannabis.com

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<b>Order #:</b> 706824	<b>Specimen Type:</b> Edible	<b>Initial Gross Weight:</b> 141846.00(mg)
<b>Batch #:</b> 190930	<b>Description:</b> 30mg CBD Nighttime Gummies	<b>Specimen Weight:</b> 1502.30(mg)
<b>Order Date:</b> 10/04/2019	<b>25 Count</b>	<b>Net Weight:</b> 4194.52(mg)
<b>Collection Date:</b> 10/04/2019	<b>Extracted From:</b> Industrial Hemp	
<b>Report Date:</b> 10/11/2019	<b>Method:</b> SOP-3	

Terpenes				(GC/GCMS)			
Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
3-Carene	ND		0.001	Alpha-Bisabolol	ND		0.001
Alpha-Terpinene	ND		0.001	Alpha-Terpineol	ND		0.001
Beta-Myrcene	ND		0.001	Beta-Pinene	ND		0.001
Fenchol	ND		0.002	Gamma-Terpinene	ND		0.001
Geraniol	ND		0.001	Guaiol	ND		0.001
Isopulegol	ND		0.001	Linalool	ND		0.001
Nerolidol-2	ND		0.001	Ocimene-1	ND		0.001
P-Cymene	ND		0.001	R-Limonene	ND		0.000
Trans-Caryophyllene	ND		0.001				
				Alpha-Pinene	ND		0.002
				Aromadendrene	ND		0.001
				Camphene	ND		0.001
				Gamma-Terpineol	ND		0.002
				Humulene	ND		0.001
				Nerolidol-1	ND		0.001
				Ocimene-2	ND		0.001
				Terpinolene	ND		0.001

Residual Solvents ( Passed )				(GC/GCMS)			
Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Acetone	5,000.000	<LOQ	87.900	Benzene	1,600	<LOQ	1,600
Ethanol	5,000.000	780.312	26.700	Hexane	60.000	<LOQ	36.600
Isopropanol	5,000.000	<LOQ	52.300	Methanol	3,000.000	<LOQ	87.900
Pentane	5,000.000	<LOQ	389.500	Toluene	890.000	<LOQ	38.400
				Chloroform	53.000	<LOQ	53.000
				n-Butane	5,000.000	<LOQ	100.000

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**Heavy Metals ( Passed ) (ICP-MS)**

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	500.000	<LOQ	100.000	Cadmium (Cd)	500.000	<LOQ	100.000	Lead (Pb)	500.000	<LOQ	100.000
Mercury (Hg)	500.000	<LOQ	100.000								

**Mycotoxins ( Passed ) (LCMS/MS)**

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1	<LOQ	6.000	6.000	Aflatoxin B2	<LOQ	6.000	6.000	Aflatoxin G1	<LOQ	6.000	6.000
Aflatoxin G2	<LOQ	6.000	6.000	Aflatoxin Total	20.000	<LOQ	6.000	Ochratoxin A	20.000	<LOQ	12.000

**Moisture (Moisture Meter)**

Analyte	Result (%)
Moisture	9.450

**Pathogenic Microbiology ( Passed ) (Micro Array)**

Analyte	Result	Analyte	Result	Analyte	Result
Aspergillus flavus	Absence	Aspergillus fumigatus	Absence	Aspergillus niger	Absence
Aspergillus terreus	Absence	Salmonella	Absence	STEC E. Coli	Absence

**Water Activity ( Passed ) (AquaLab 4TE)**

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.850	0.698

**Filth and Foreign Material ( Passed ) (Electronic Balance)**

Analyte	Action Level (area ratio)	Result (area ratio)	Analyte	Action Level (mg/Kg)	Result (mg/Kg)	Analyte	Action Level (%)	Result (%)
Covered Area	0.250	0.000	Feces	0.500	0.000	Weight %	5.000	0.000

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