



Accreditation No. 102356  
 Certificate No. L19-215  
 ISO/IEC 17025:2017 Accredited




(760) 230-9080  
 info@certusanalytics.com  
 26359 Jefferson Ave  
 Murrieta, CA 92562  
 Lic# 26459

**Sample Name: 100mg Butterscotch Tincture**

Sample ID: 1912CER0871.2557  
 Strain: Butterscotch  
 Matrix: Ingestible  
 Type: Tincture  
 Sample Size: 1 units; Batch:

Produced:  
 Collected:  
 Received: 11/19/2019  
 Completed: 12/06/2019  
 Batch#: BS111819100

Client  
**Innovative Nutraceuticals LLC**  
 Lic. # 33-19-0031 G  
 32776 Skylark Dr  
 Lake Elsinore, CA 92530

	<b>0.010%</b>	<b>0.353%</b>	<b>0.375%</b>
	THCa + Δ9-THC (%)	CBDa + CBD (%)	Total Cannabinoids (%)
	<b>2.756 mg/unit</b>	<b>99.457 mg/unit</b>	<b>105.787 mg/unit</b>
	THCa + Δ9-THC	CBDa + CBD	Total Cannabinoids

**Cannabinoids**

Complete

Analyte	LOD	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/unit	mg/g
THCa	0.056	0.282	<LOQ	<LOQ
Δ9-THC	0.056	0.282	2.756	0.098
Δ8-THC	0.056	0.282	ND	ND
THCV	0.056	0.282	ND	ND
CBDa	0.056	0.282	34.783	1.233
CBD	0.056	0.282	64.673	2.293
CBN	0.056	0.282	0.422	0.015
CBGa	0.056	0.282	0.468	0.017
CBG	0.056	0.282	ND	ND
CBC	0.056	0.282	2.685	0.095
<b>Total</b>			<b>105.787</b>	<b>3.751</b>

1 Unit = 0.94g/mL Client Provided Density; 30mL Bottle, 28.2g

Total THC = THCa \* 0.877 + Δ9-THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; ND = Not Detected; The reported flower/trim results are based on a sample dry-weight as required by California Code of Regulations Title 16 Division 42 section 5724; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Cannabinoids Analytical Method: HPLC SOP-024



*Mike Tunis*

Mike Tunis  
 Laboratory Manager  
 12/06/2019

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**Pesticides**

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.05	0.1	0.3	ND	Pass	Fludioxonil	0.01	0.05	30	ND	Pass
Acephate	0.01	0.05	5	ND	Pass	Hexythiazox	0.01	0.05	2	ND	Pass
Acequinocyl	0.01	0.05	4	ND	Pass	Imazalil	0.05	0.1	0.05	ND	Pass
Acetamiprid	0.01	0.05	5	ND	Pass	Imidacloprid	0.01	0.05	3	ND	Pass
Aldicarb	0.05	0.1	0.05	ND	Pass	Kresoxim Methyl	0.01	0.05	1	ND	Pass
Azoxystrobin	0.01	0.05	40	ND	Pass	Malathion	0.01	0.05	5	ND	Pass
Bifenazate	0.01	0.05	5	ND	Pass	Metalaxyl	0.01	0.05	15	ND	Pass
Bifenthrin	0.01	0.05	0.5	ND	Pass	Methiocarb	0.05	0.1	0.05	ND	Pass
Boscalid	0.01	0.05	10	ND	Pass	Methomyl	0.01	0.05	0.1	ND	Pass
Captan	0.25	0.5	5	ND	Pass	Methyl Parathion	0.05	0.1	0.05	ND	Pass
Carbaryl	0.01	0.05	0.5	ND	Pass	Mevinphos	0.05	0.1	0.05	ND	Pass
Carbofuran	0.05	0.1	0.05	ND	Pass	Myclobutanil	0.01	0.05	9	ND	Pass
Chlorantraniliprole	0.01	0.05	40	ND	Pass	Naled	0.01	0.05	0.5	ND	Pass
Chlordane	0.05	0.1	0.05	ND	Pass	Oxamyl	0.01	0.05	0.2	ND	Pass
Chlorfenapyr	0.05	0.1	0.05	ND	Pass	Pacllobutrazol	0.05	0.1	0.05	ND	Pass
Chlorpyrifos	0.05	0.1	0.05	ND	Pass	Pentachloronitrobenzene	0.01	0.05	0.2	ND	Pass
Clofentezine	0.01	0.05	0.5	ND	Pass	Permethrin	0.01	0.05	20	ND	Pass
Coumaphos	0.05	0.1	0.05	ND	Pass	Phosmet	0.01	0.05	0.2	ND	Pass
Cyfluthrin	0.5	1	1	ND	Pass	Piperonyl Butoxide	0.01	0.05	8	ND	Pass
Cypermethrin	0.1	0.25	1	ND	Pass	Prallethrin	0.05	0.1	0.4	ND	Pass
Daminozide	0.05	0.1	0.05	ND	Pass	Propiconazole	0.01	0.05	20	ND	Pass
DDVP	0.05	0.1	0.05	ND	Pass	Propoxur	0.05	0.1	0.05	ND	Pass
Diazinon	0.01	0.05	0.2	ND	Pass	Pyrethrins	0.018	0.043	1	ND	Pass
Dimethoate	0.05	0.1	0.05	ND	Pass	Pyridaben	0.01	0.05	3	ND	Pass
Dimethomorph	0.01	0.05	20	ND	Pass	Spinetoram	0.004	0.021	3	ND	Pass
Ethoprophos	0.05	0.1	0.05	ND	Pass	Spinosad	0.01	0.049	3	ND	Pass
Etofenprox	0.05	0.1	0.05	ND	Pass	Spiromesifen	0.01	0.05	12	ND	Pass
Etoxazole	0.01	0.05	1.5	ND	Pass	Spirotetramat	0.01	0.05	13	ND	Pass
Fenhexamid	0.05	0.1	10	ND	Pass	Spiroxamine	0.05	0.1	0.05	ND	Pass
Fenoxycarb	0.05	0.1	0.05	ND	Pass	Tebuconazole	0.01	0.05	2	ND	Pass
Fenpyroximate	0.01	0.05	2	ND	Pass	Thiacloprid	0.05	0.1	0.05	ND	Pass
Fipronil	0.05	0.1	0.05	ND	Pass	Thiamethoxam	0.01	0.05	4.5	ND	Pass
Fonicamid	0.01	0.05	2	ND	Pass	Trifloxystrobin	0.01	0.05	30	ND	Pass

Date Tested: 11/27/2019

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 BCC in 16 CCR section 5719. Pesticides Analytical Method: LCMS & GCMS SOP-025



*Mike Tunis*

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 Laboratory Manager  
 12/06/2019

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**Residual Solvents**

Pass

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.8	0.8	0.8	ND	Pass
Acetone	23.3	23.3	5000	ND	Pass
Acetonitrile	4.1	4.1	410	ND	Pass
Benzene	0.8	0.8	0.8	ND	Pass
Chloroform	0.8	0.8	0.8	ND	Pass
Ethanol	3.1	3.1	5000	ND	Pass
Ethyl-Acetate	3.1	3.1	5000	ND	Pass
Ethyl-Ether	3.1	3.1	5000	ND	Pass
Ethylene Oxide	0.8	0.8	0.8	ND	Pass
Heptane	3.1	3.1	5000	ND	Pass
Isopropanol	23.3	23.3	5000	ND	Pass
Methanol	30	30	3000	ND	Pass
Methylene-Chloride	0.8	0.8	0.8	ND	Pass
n-Butane	6.7	6.7	5000	ND	Pass
n-Hexane	46.4	46.4	290	ND	Pass
n-Pentane	3.1	3.1	5000	ND	Pass
Propane	2.7	2.7	5000	ND	Pass
Toluene	1.2	1.2	890	ND	Pass
Trichloroethene	0.8	0.8	0.8	ND	Pass
Xylenes	2.9	2.9	2170	ND	Pass

Date Tested: 11/27/2019

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 BCC in 16 CCR section 5718. Residual Solvents Analytical Method: GC-FID SOP-027



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**Microbials**

Pass

**Analyte**

**Result**

Shiga toxin-producing E. Coli  
 Salmonella

CFU/g  
 Not Detected in 1g  
 Not Detected in 1g



Date Tested: 11/27/2019

LOQ = Limit of Quantitation; CFU/g = Colony Forming Units per Gram; Unless otherwise stated all quality control samples performed within specifications established by the BCC in 16 CCR section 5720. Microbial Analytical Method: qPCR SOP-007



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**Heavy Metals**

Analyte	LOD	LOQ	Limit	Mass	Status
Arsenic	0.05 µg/g	0.05 µg/g	1.5 µg/g	ND µg/g	Pass
Cadmium	0.05	0.05	0.5	ND	Pass
Lead	0.05	0.05	0.5	ND	Pass
Mercury	0.01	0.03	3	ND	Pass



Date Tested: 11/27/2019

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 BCC in 16 CCR section 5723. Heavy Metals Analytical Method: ICPMS SOP-042. The addition of metals to our scope is pending.



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