

Pet Tinct

Test Summary

Batch **6629**

View any other batch by scanning QR code on the box or visit our website

THC **None Detected**

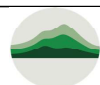
CBD 14.7 mg per ml
 - Bottle 30 ml = 441 mg
 - Dropper 0.25 ml = 3.68 mg

Broad Spectrum

CBG & CBN also detected
 in significant levels (2.01 mg/ml)
 (beneficial non-psychoactive cannabinoids)

Microbial **None Detected**

Bacteria, spores, molds, fungus



Steep Hill Hawaii

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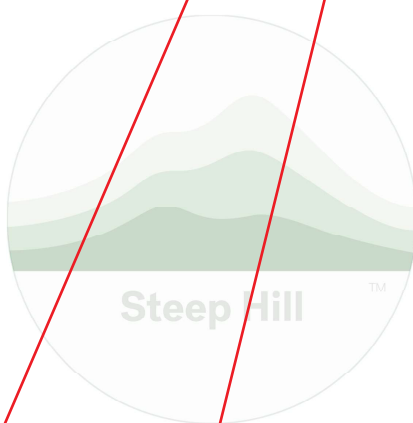
CERTIFICATE OF ANALYSIS

Sample Name: 6629
 Steep Hill ID: HI95043
 Batch ID:
 State ID:
 Sample Type: Tincture
 Date Received: 12/2/2020
 Date Reported: 12/7/2020
 Density: 0.930 g/mL

Customer: Hawaiian Choice

OVERALL BATCH SUMMARY: PASS

Residual Pesticides **Pass** Microbial Impurities **Pass** Mycotoxins **Pass** Heavy Metals **Pass** Foreign Material **NT** Residual Solvents **NT**



Total THC
 Not Detected
 Not Detected
 Not Detected

Total CBD
 1.58 %
 15.8 mg/g
 14.7 mg/mL

Total Cannabinoids
 1.80 %
 18.0 mg/g
 16.7 mg/mL

Total THC = [THCA x 0.877] + [THC]
 Total CBD = [CBDA x 0.877] + [CBD]

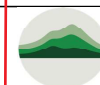
Nelson Lazaga, Ph.D
 Laboratory Director
 Date: 12/7/2020

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CERTIFICATE OF ANALYSIS

Terpenoid Results

Standard terpene analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MS; HI-SOP-024)

Analyte	%	mg/g	mg/mL	LOD mg/g	LOQ mg/g
α-Bisabolol	NT	NT	NT	NT	NT
Camphene	NT	NT	NT	NT	NT
3-Carene	NT	NT	NT	NT	NT
Caryophyllene Oxide	NT	NT	NT	NT	NT
β-Caryophyllene	NT	NT	NT	NT	NT
Citronellol	NT	NT	NT	NT	NT
Eucalyptol	NT	NT	NT	NT	NT
Geraniol	NT	NT	NT	NT	NT
Guaiol	NT	NT	NT	NT	NT
Humulene	NT	NT	NT	NT	NT
p-Isopropyltoluene	NT	NT	NT	NT	NT
Isopulegol	NT	NT	NT	NT	NT
Limonene	NT	NT	NT	NT	NT
Linalool	NT	NT	NT	NT	NT
β-Myrcene	NT	NT	NT	NT	NT
Nerolidol	NT	NT	NT	NT	NT
Ocimene	NT	NT	NT	NT	NT
α-Pinene	NT	NT	NT	NT	NT
β-Pinene	NT	NT	NT	NT	NT
α-Terpinene	NT	NT	NT	NT	NT
γ-Terpinene	NT	NT	NT	NT	NT
Terpinolene	NT	NT	NT	NT	NT
Total	NT	NT	NT	NT	NT

Cannabinoid Results

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; HI-SOP-024)

Analyte	%	mg/g	mg/mL	LOD mg/g	LOQ mg/g
CBC	NT	NT	NT	NT	NT
CBD	1.58	15.8	14.7	0.00987	0.0104
CBDA	ND	ND	ND	0.00987	0.0178
CBDV	NT	NT	NT	NT	NT
CBDVA	NT	NT	NT	NT	NT
CBG	0.113	1.13	1.05	0.00987	0.0114
CBGA	NT	NT	NT	NT	NT
CBN	0.103	1.03	0.962	0.00987	0.00987
THC	ND	ND	ND	0.00987	0.00987
delta-8-THC	NT	NT	NT	NT	NT
THCA	ND	ND	ND	0.00987	0.0227
THCV	NT	NT	NT	NT	NT
THCVA	NT	NT	NT	NT	NT
Total	1.80	18.0	16.7		

Microbial Impurities Results

Microbiological screening utilizing PathogenDx and TEMPO (HI-SOP-008 + HI-SOP-007) - Limit units: CFU/g

Analyte	Pass/Fail	Result	Limit	LOQ
Aspergillus flavus	Pass	ND	ND	Not Detected in 1 gram
Aspergillus fumigatus	Pass	ND	ND	Not Detected in 1 gram
Aspergillus niger	Pass	ND	ND	Not Detected in 1 gram
Salmonella	Pass	ND	ND	Not Detected in 1 gram
Aerobic	Pass	<100	10000	1 CFU/g
Coliform	Pass	<100	100	1 CFU/g
Enterobacteria	Pass	<100	100	1 CFU/g
General E. coli	Pass	<1	ND	1 CFU/g
Yeast & Mold	Pass	<100	1000	1 CFU/g

Moisture Results

Moisture content analysis utilizing Moisture Balance (MB; HI-SOP-033) - Limit units: %

Analyte	Pass/Fail	%	Limit
Moisture	NT	NT	

Foreign Material Results

Foreign material analysis utilizing visual inspection with 10x magnification (HI-SOP-016)

Analyte	Pass/Fail
Visual Inspection	NT

LOD: Limit of Detection
 LOQ: Limit of Quantitation
 NT: Not Tested
 ND: Not Detected

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Pet Tincture

Pesticides **None Detected**
Heavy Metals **None Detected**
Mycotoxins **None Detected**



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CERTIFICATE OF ANALYSIS

Residual Pesticides Results						Pass						12/7/2020					
Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MS/MS; HI-SOP-025) - Limit units: ug/g = ppm																	
Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
Abamectin B1a	Pass	ND	1	0.251	0.759	Imazalil	Pass	ND	1	0.0490	0.149						
Acephate	Pass	ND	1	0.0716	0.217	Imidacloprid	Pass	ND	1	0.0711	0.215						
Acetamiprid	Pass	ND	1	0.00365	0.987	Kresoxim-methyl	Pass	ND	1	0.0672	0.204						
Acetamiprid	Pass	ND	1	0.119	0.360	Malathion	Pass	ND	1	0.0614	0.186						
Aldicarb	Pass	ND	1	0.0394	0.119	Metalaxyl	Pass	ND	1	0.0588	0.178						
Azoxystrobin	Pass	ND	1	0.0912	0.277	Methiocarb	Pass	ND	1	0.100	0.304						
Bifenazate	Pass	ND	1	0.105	0.319	Methomyl	Pass	ND	1	0.0390	0.118						
Bifenthrin	Pass	ND	1	0.207	0.626	Methyl Parathion	Pass	ND	1	0.149	0.451						
Boscalid	Pass	ND	1	0.215	0.652	MGK-264	Pass	ND	1	0.195	0.591						
Carbaryl	Pass	ND	1	0.0417	0.126	Myclobutanil	Pass	ND	1	0.0604	0.183						
Carbofuran	Pass	ND	1	0.0292	0.0886	Naled	Pass	ND	1	0.0556	0.169						
Chlorantraniliprole	Pass	ND	1	0.0896	0.272	Oxamyl	Pass	ND	1	0.0387	0.117						
Chlorfenapyr	Pass	ND	1	0.0385	0.117	Paclobutrazol	Pass	ND	1	0.0392	0.119						
Chlorpyrifos	Pass	ND	1	0.0880	0.267	Permethrin	Pass	ND	1	0.267	0.810						
Clofentezine	Pass	ND	1	0.166	0.504	Phosmet	Pass	ND	1	0.139	0.420						
Cyfluthrin	Pass	ND	1	0.414	0.987	Piperonyl Butoxide	Pass	ND	1	0.0454	0.138						
Cypermethrin	Pass	ND	1	0.264	0.799	Prallethrin	Pass	ND	1	0.0824	0.250						
Diazinon	Pass	ND	1	0.0348	0.106	Propiconazole	Pass	ND	1	0.0840	0.254						
Dichlorvos	Pass	ND	1	0.177	0.536	Propoxur	Pass	ND	1	0.0307	0.0931						
Dimethoate	Pass	ND	1	0.0490	0.148	Pyrethrins	Pass	ND	1	0.0393	0.119						
Ethoprophos	Pass	ND	1	0.0930	0.282	Pyridaben	Pass	ND	1	0.209	0.633						
Etofenprox	Pass	ND	1	0.241	0.730	Spiromesifen	Pass	ND	1	0.0329	0.0996						
Etoxazole	Pass	ND	1	0.0495	0.150	Spirotetramat	Pass	ND	1	0.0622	0.188						
Fenproximate	Pass	ND	1	0.00146	0.00444	Tebuconazole	Pass	ND	1	0.0528	0.160						
Fipronil	Pass	ND	1	0.112	0.339	Thiacloprid	Pass	ND	1	0.0802	0.243						
Flonicamid	Pass	ND	1	0.0956	0.290	Thiamethoxam	Pass	ND	1	0.0613	0.186						
Fludioxonil	Pass	ND	1	0.0617	0.187	Trifloxystrobin	Pass	ND	1	0.0411	0.125						
Hexythiazox	Pass	ND	1	0.219	0.664												

Mycotoxin Results				Pass	12/7/2020
Mycotoxin analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MS; HI-SOP-025) - Limit units: $\mu\text{g/kg}$ = ppb					
Analyte	Pass/Fail	$\mu\text{g/kg}$	Limit	LOD $\mu\text{g/kg}$	LOQ $\mu\text{g/kg}$
Aflatoxin B1		ND		2.96	3.95
Aflatoxin B2		ND		2.96	3.95
Aflatoxin G1		ND		2.96	3.95
Aflatoxin G2		ND		2.96	3.95
Ochratoxin A	Pass	ND	<20	2.96	3.95
Total Aflatoxins	Pass	ND	<20	2.96	3.95

Heavy Metals Results				Pass	12/3/2020	
Heavy metals analysis utilizing Atomic Absorption Spectroscopy (AAS; HI-SOP-015) - Limit units: $\mu\text{g/g}$ = ppm						
Analyte	Pass/Fail	$\mu\text{g/g}$	Limit	LOD $\mu\text{g/g}$	LOQ $\mu\text{g/g}$	
Arsenic	Pass	< LOQ	10	0.00161	1.68	
Cadmium	Pass	ND	4	0.0000134	1.68	
Lead	Pass	ND	6	0.00194	1.68	
Mercury	Pass	< LOQ	2	0.00144	1.68	

Residual Solvents Results NT
Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; HI-SOP-010) - Limit units: $\mu\text{g/g}$ = ppm

Analyte	Pass/Fail	$\mu\text{g/g}$	Limit	LOD $\mu\text{g/g}$	LOQ $\mu\text{g/g}$	Analyte	Pass/Fail	$\mu\text{g/g}$	Limit	LOD $\mu\text{g/g}$	LOQ $\mu\text{g/g}$
Acetone	NT	NT	NT	NT	NT	Isobutane	NT	NT	NT	NT	NT
Acetonitrile	NT	NT	NT	NT	NT	Isopropanol	NT	NT	NT	NT	NT
Benzene	NT	NT	NT	NT	NT	Methanol	NT	NT	NT	NT	NT
Butanes	NT	NT	NT	NT	NT	n-Pentane	NT	NT	NT	NT	NT
Chloroform	NT	NT	NT	NT	NT	Tetrahydrofuran	NT	NT	NT	NT	NT
Ethanol	NT	NT	NT	NT	NT	Toluene	NT	NT	NT	NT	NT
Heptanes	NT	NT	NT	NT	NT	Total Xylenes	NT	NT	NT	NT	NT
n-Hexane	NT	NT	NT	NT	NT						


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