

# Hawaiian Choice CBD Independent Lab Report

Markings in RED are by Hawaiian Choice to highlight key findings

## Fruit Jelly

### Test Summary

Batch **6630**

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

THC **None Detected**

CBD **25.4 mg/piece**  
- Box 4 pieces = 101mg

Broad Spectrum **Microbial None Detected**

CBG also detected in significant levels (beneficial non-psychoactive cannabinoid)

Bacteria, spores, molds, fungus



## Steep Hill Hawaii

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CERTIFICATE OF ANALYSIS

Sample Name: 6630  
Steep Hill ID: HI97778  
Batch ID:  
State ID:  
Sample Type: Edible  
Date Received: 2/1/2021  
Date Reported: 2/7/2021  
Pkg. Mass: 32 g  
# of Servings: 4

Customer: Hawaiian Choice

### OVERALL BATCH SUMMARY: **PASS**

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



**Total THC**  
Not Detected  
Not Detected  
Not Detected  
Not Detected

**Total CBD**  
0.317 %  
3.17 mg/g  
101 mg/pkg  
25.4 mg/serv

**Total Cannabinoids**  
0.322 %  
3.22 mg/g  
103 mg/pkg  
25.8 mg/serv

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

Nelson Lazaga, Ph.D.  
Laboratory Director  
Date: 2/7/2021

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1



## Steep Hill Hawaii

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### Terpenoid Results

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

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

### 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	Pass

### Cannabinoid Results

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

Analyte	%	mg/g	mg/pkg	mg/serv	LOD mg/g	LOQ mg/g
CBC	ND	ND	ND	ND	0.00944	0.0189
CBD	0.317	3.17	101	25.4	0.00944	0.00991
CBDA	ND	ND	ND	ND	0.00944	0.0170
CBDV	ND	ND	ND	ND	0.00944	0.0203
CBDVA	ND	ND	ND	ND	0.00944	0.0231
CBG	0.00502	0.0502	1.61	0.402	0.00944	0.0109
CBGA	ND	ND	ND	ND	0.00944	0.00944
CBN	ND	ND	ND	ND	0.00944	0.00944
THC	ND	ND	ND	ND	0.00944	0.00944
delta-8-THC	ND	ND	ND	ND	0.00944	0.0142
THCA	ND	ND	ND	ND	0.00944	0.0217
THCV	ND	ND	ND	ND	0.00944	0.0142
THCVA	ND	ND	ND	ND	0.00944	0.0198
Total	0.322	3.22	103	25.8		

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

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2

## Fruit Jelly

Pesticides


None Detected

Mycotoxins

None Detected

Heavy Metals

None Detected



# Steep Hill Hawaii

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## CERTIFICATE OF ANALYSIS

2/4/2021

### Residual Pesticides Results

Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MS/MS; HI-SOP-025) - Limit units:  $\mu\text{g/g} = \text{ppm}$

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 $\mu\text{g/g}$
Abamectin B1a	Pass	ND	1	0.244	0.738	Imazalil	Pass	ND	1	0.0476	0.144
Acephate	Pass	ND	1	0.0696	0.211	Imidacloprid	Pass	ND	1	0.0691	0.209
Acequinocyl	Pass	ND	1	0.00355	0.959	Kresoxim-methyl	Pass	ND	1	0.0653	0.198
Acetamiprid	Pass	ND	1	0.115	0.350	Malathion	Pass	ND	1	0.0597	0.181
Aldicarb	Pass	ND	1	0.0383	0.116	Metaxyl	Pass	ND	1	0.0571	0.173
Azoxystrobin	Pass	ND	1	0.0887	0.269	Methiocarb	Pass	ND	1	0.0974	0.295
Bifenazate	Pass	ND	1	0.102	0.310	Methomyl	Pass	ND	1	0.0379	0.115
Bifenthrin	Pass	ND	1	0.201	0.608	Methyl Parathion	Pass	ND	1	0.145	0.438
Boscalid	Pass	ND	1	0.209	0.634	MGK-264	Pass	ND	1	0.189	0.574
Carbaryl	Pass	ND	1	0.0405	0.123	Myclobutanil	Pass	ND	1	0.0587	0.178
Carbofuran	Pass	ND	1	0.0284	0.0861	Naled	Pass	ND	1	0.0541	0.164
Chlorantraniliprole	Pass	ND	1	0.0871	0.264	Oxamyl	Pass	ND	1	0.0377	0.114
Chlorfenapyr	Pass	ND	1	0.0374	0.113	Paclobutrazol	Pass	ND	1	0.0381	0.116
Chlorpyrifos	Pass	ND	1	0.0856	0.259	Permethrin	Pass	ND	1	0.240	0.788
Clofentezine	Pass	ND	1	0.162	0.490	Phosmet	Pass	ND	1	0.185	0.409
Cyfluthrin	Pass	ND	1	0.402	0.959	Piperonyl Butoxide	Pass	ND	1	0.0441	0.134
Cypermethrin	Pass	ND	1	0.256	0.777	Prallethrin	Pass	ND	1	0.0801	0.243
Diazinon	Pass	ND	1	0.0339	0.103	Propiconazole	Pass	ND	1	0.0816	0.247
Dichlorvos	Pass	ND	1	0.172	0.521	Propoxur	Pass	ND	1	0.0299	0.0905
Dimethoate	Pass	ND	1	0.0476	0.144	Pyrethrins	Pass	ND	1	0.0382	0.116
Ethoprophos	Pass	ND	1	0.0904	0.274	Pyridaben	Pass	ND	1	0.203	0.616
Etofenprox	Pass	ND	1	0.234	0.709	Spinosad	Pass	ND	1	0.0319	0.0968
Etoxazole	Pass	ND	1	0.0481	0.146	Spiromesifen	Pass	ND	1	0.0604	0.183
Fenpyroximate	Pass	ND	1	0.00142	0.00432	Spirotetramat	Pass	ND	1	0.0513	0.155
Fipronil	Pass	ND	1	0.109	0.330	Tebuconazole	Pass	ND	1	0.0779	0.236
Flonicamid	Pass	ND	1	0.0929	0.282	Thiacloprid	Pass	ND	1	0.0596	0.181
Fludioxonil	Pass	ND	1	0.0599	0.182	Thiamethoxam	Pass	ND	1	0.0400	0.121
Hexythiazox	Pass	ND	1	0.213	0.646	Trifloxystrobin	Pass	ND	1	0.0388	0.118

### Mycotoxin Results

Pass 2/4/2021

Mycotoxin analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MS; HI-SOP-025) - Limit units:  $\mu\text{g/kg} = \text{ppb}$

Analyte	Pass/Fail	$\mu\text{g/kg}$	Limit	LOD $\mu\text{g/kg}$	LOQ $\mu\text{g/kg}$
Aflatoxin B1	ND		2.88	3.84	
Aflatoxin B2	ND		2.88	3.84	
Aflatoxin G1	ND		2.88	3.84	
Aflatoxin G2	ND		2.88	3.84	
Ochratoxin A	Pass	ND	<20	2.88	3.84
Total Aflatoxins	Pass	ND	<20	2.88	3.84

### Heavy Metals Results

Pass 2/6/2021

Heavy metals analysis utilizing Atomic Absorption Spectroscopy (AAS; HI-SOP-015) - Limit units:  $\mu\text{g/g} = \text{ppm}$


Analyte	Pass/Fail	$\mu\text{g/g}$	Limit	LOD $\mu\text{g/g}$	LOQ $\mu\text{g/g}$
Arsenic	Pass	< LOQ	10	0.00100	1.05
Cadmium	Pass	ND	4	0.00000837	1.05
Lead	Pass	ND	6	0.00121	1.05
Mercury	Pass	ND	2	0.000900	1.05

### Residual Solvents Results

NT

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


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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Laboratory Director  
Date: 2/7/2021

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3