

Hawaiian Choice CBD Independent Lab Report

Markings in RED are by Hawaiian Choice to highlight key findings

Fruit Jelly

Test Summary

Batch 6625
View any other batch by scanning QR code on the box or visit our website
Manufacturing Date

THC None Detected
CBD 29.8 mg/piece
- Box 4 pieces = 119mg

Broad Spectrum Microbial None Detected
CBG & CBN also detected in significant levels (beneficial non-psychoactive cannabinoids)
Bacteria, spores, molds, fungus



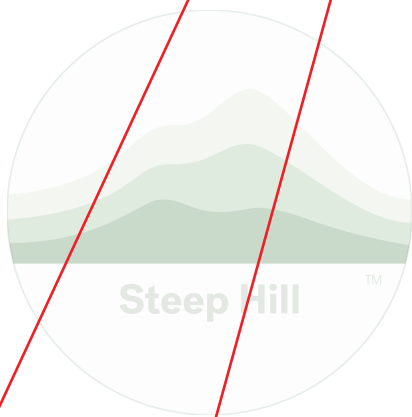
Steep Hill Hawaii

1150 S. KING STREET, HONOLULU, HI 96814 LICENSE #: 92630
CERTIFICATE OF ANALYSIS

Sample Name: 6625 Customer: Hawaiian Choice
Steep Hill ID: HI92155
Batch ID:
State ID:
Sample Type: Edible
Date Received: 10/6/2020
Date Reported: 10/12/2020
Pkg. Mass: 8 g
of Servings: 4

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
Not Detected

Total CBD
0.372 %
3.72 mg/g
119 mg/pkg
29.8 mg/serv

Total Cannabinoids
0.410 %
4.10 mg/g
131 mg/pkg
32.8 mg/serv

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

Nelson Lazaga, Ph.D
Laboratory Director
Date: 10/12/2020

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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
γ-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
γ-Terpinene	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	NT

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	NT	NT	NT	NT	NT	NT
CBD	0.372	3.72	119	29.8	0.00871	0.00914
CBDA	ND	ND	ND	ND	0.00871	0.0157
CBDV	NT	NT	NT	NT	NT	NT
CBDVA	NT	NT	NT	NT	NT	NT
CBG	0.0235	0.235	7.53	1.88	0.00871	0.0100
CBGA	NT	NT	NT	NT	NT	NT
CBN	0.0146	0.146	4.67	1.17	0.00871	0.00871
THC	ND	ND	ND	ND	0.00871	0.00871
delta-8-THC	NT	NT	NT	NT	NT	NT
THCA	ND	ND	ND	ND	0.00871	0.0200
THCV	NT	NT	NT	NT	NT	NT
THCVA	NT	NT	NT	NT	NT	NT
Total	0.410	4.10	131	32.8		

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

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Fruit Jelly

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



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CERTIFICATE OF ANALYSIS

Residual Pesticides Results Pass 10/9/2020
 Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; 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	0.239	0.724	Imazalil	Pass	ND	1	0.0467	0.142
Acephate	Pass	ND	1	0.0683	0.207	Imidacloprid	Pass	ND	1	0.0677	0.205
Acequinocyl	Pass	ND	1	0.00348	0.941	Kresoxim-methyl	Pass	ND	1	0.0640	0.194
Acetamiprid	Pass	ND	1	0.113	0.343	Malathion	Pass	ND	1	0.0585	0.177
Aldicarb	Pass	ND	1	0.0375	0.114	Metaxyl	Pass	ND	1	0.0561	0.170
Azoxystrobin	Pass	ND	1	0.0870	0.264	Methiocarb	Pass	ND	1	0.0955	0.289
Bifenazate	Pass	ND	1	0.100	0.304	Methomyl	Pass	ND	1	0.0372	0.113
Bifenthrin	Pass	ND	1	0.197	0.597	Methyl Parathion	Pass	ND	1	0.142	0.430
Boscalid	Pass	ND	1	0.205	0.622	MGK-264	Pass	ND	1	0.186	0.563
Carbaryl	Pass	ND	1	0.0397	0.120	Myclobutanil	Pass	ND	1	0.0576	0.174
Carbofuran	Pass	ND	1	0.0279	0.0844	Naled	Pass	ND	1	0.0530	0.161
Chlorantraniliprole	Pass	ND	1	0.0854	0.259	Oxamyl	Pass	ND	1	0.0369	0.112
Chlorfenapyr	Pass	ND	1	0.0367	0.111	Paclobutrazol	Pass	ND	1	0.0374	0.113
Chlorpyrifos	Pass	ND	1	0.0839	0.254	Permethrin	Pass	ND	1	0.255	0.772
Clofentezine	Pass	ND	1	0.159	0.480	Phosmet	Pass	ND	1	0.132	0.401
Cyfluthrin	Pass	ND	1	0.395	0.941	Piperonyl Butoxide	Pass	ND	1	0.0433	0.131
Cypermethrin	Pass	ND	1	0.251	0.762	Prallethrin	Pass	ND	1	0.0785	0.238
Diazinon	Pass	ND	1	0.0332	0.101	Propiconazole	Pass	ND	1	0.0800	0.243
Dichlorvos	Pass	ND	1	0.169	0.511	Propoxur	Pass	ND	1	0.0293	0.0887
Dimethoate	Pass	ND	1	0.0467	0.142	Pyrethrins	Pass	ND	1	0.0375	0.114
Ethoprophos	Pass	ND	1	0.0886	0.269	Pyridaben	Pass	ND	1	0.199	0.604
Etofenprox	Pass	ND	1	0.230	0.696	Spinosad	Pass	ND	1	0.0313	0.0949
Etoxazole	Pass	ND	1	0.0472	0.143	Spiromesifen	Pass	ND	1	0.0393	0.180
Fenpyroximate	Pass	ND	1	0.00139	0.00423	Spirotetramat	Pass	ND	1	0.0503	0.152
Fipronil	Pass	ND	1	0.107	0.324	Tebuconazole	Pass	ND	1	0.0765	0.232
Fonicamid	Pass	ND	1	0.0911	0.276	Thiacloprid	Pass	ND	1	0.0585	0.177
Fludioxonil	Pass	ND	1	0.0588	0.178	Thiamethoxam	Pass	ND	1	0.0392	0.119
Hexythiazox	Pass	ND	1	0.209	0.633	Trifloxystrobin	Pass	ND	1	0.0381	0.115

Mycotoxin Results Pass 10/9/2020
 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		2.82	2.82	3.76
Aflatoxin B2	ND		2.82	2.82	3.76
Aflatoxin G1	ND		2.82	2.82	3.76
Aflatoxin G2	ND		2.82	2.82	3.76
Ochratoxin A	Pass	ND	<20	2.82	3.76
Total Aflatoxins	Pass	ND	<20	2.82	3.76

Heavy Metals Results Pass 10/12/2020
 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	0.00142	1.48
Cadmium	Pass	ND	4	0.0000118	1.48
Lead	Pass	ND	6	0.00172	1.48
Mercury	Pass	< LOQ	2	0.00127	1.48

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
Bulanes	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
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