



Steep Hill Hawaii™

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

CERTIFICATE OF ANALYSIS

Sample Name: CBD Water Soluble Powder
Steep Hill ID: HI91070
Batch ID: COWSPNG22-09
State ID: COWSPNG22-09
Sample Type: Concentrate
Date Received: 9/15/2022
Date Reported: 9/21/2022

Customer: Himiko Organics LLC
4348 Waiālae ave 924
Honolulu, HI 96816

OVERALL BATCH SUMMARY: N/A

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



Total THC
Not Detected
Not Detected

Total CBD
20.9 %
209 mg/g

Total Cannabinoids
21.4 %
214 mg/g

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

Nelson Lazaga, Ph.D
Laboratory Director
Date: 9/21/2022

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CERTIFICATE OF ANALYSIS

Terpenoid Results

NT

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-Terpinene	NT	NT	NT	NT
γ-Terpinene	NT	NT	NT	NT
Terpinolene	NT	NT	NT	NT
Total	NT	NT	NT	NT

Microbial Impurities Results

NT

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

Analyte	Pass/Fail	Result	Limit	LOQ
Aspergillus flavus	NT	NT	NT	NT
Aspergillus fumigatus	NT	NT	NT	NT
Aspergillus niger	NT	NT	NT	NT
Salmonella	NT	NT	NT	NT
Aerobic	NT	NT	NT	NT
Coliform	NT	NT	NT	NT
Enterobacteria	NT	NT	NT	NT
General E. coli	NT	NT	NT	NT
Yeast & Mold	NT	NT	NT	NT

Moisture Results

NT

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

Analyte	Pass/Fail	%	Limit
Moisture	NT	NT	

Foreign Material Results

NT

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

Analyte	Pass/Fail
Visual Inspection	NT

Cannabinoid Results

9/21/2022

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

Analyte	%	mg/g	LOD mg/g	LOQ mg/g
CBC	NT	NT	NT	NT
CBD	20.9	209	0.016	0.018
CBDA	ND	ND	0.016	0.028
CBDV	0.5	5.0	0.015	0.036
CBDVA	NT	NT	NT	NT
CBG	ND	ND	0.016	0.018
CBGA	NT	NT	NT	NT
CBN	ND	ND	0.016	0.016
THC	ND	ND	0.016	0.016
delta-8-THC	ND	ND	0.023	0.023
THCA	ND	ND	0.016	0.016
THCV	ND	ND	0.014	0.014
THCVA	ND	ND	0.014	0.014
Total	21.4	214		

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

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Laboratory Director
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Certificate of Analysis
HI91070



Accreditation # 92630