

DAVID Y. IGE
GOVERNOR OF HAWAII



ELIZABETH A. CHAR, M.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
STATE LABORATORIES DIVISION
2725 WAIMANO HOME ROAD
PEARL CITY, HAWAII 96782-1496

In reply, please refer to:
File: EHASB/Chemistry

January 20, 2022

Mr. Devin Kim
Laboratory Director
MEDCAN Hawaii LLC
99-1255 Waiua Place, Suite 4/8
Aiea, Hawaii 96701

Dear Mr. Kim:

We are pleased to grant **provisional certification** for the testing of medical cannabis for the parameters and matrices listed on the certificate until **January 12, 2023**. The report of the on-site audit conducted on **January 12, 2022** will be provided to you in approximately one month.

All testing methods must be validated and conducted by established standard operating procedures in accordance with Hawaii Administrative Rules Chapter 11-850 as verified by Hawaii Department of Health (HDOH) in approved matrices. Proficiency tests (PT) must be successfully performed at least annually using the same procedures used for client testing. Deviation from these standards may adversely impact certification status.

It is the laboratory's responsibility to keep HDOH informed of changes and updates including, but not limited to, PT results and investigation of any unacceptable results, accreditation audits and responses, and immediate notification of any significant laboratory changes.

Please submit a written request for renewal **at least two months, but no more than three months** prior to the expiration date to avoid interruption of your certification.

Thank you for the time and courtesy extended to the Hawaii Department of Health State Laboratories assessors during the on-site audits.

Sincerely,

Edward P. Desmond, Ph.D., D(ABMM)
State Laboratories Division Administrator

Enclosure



STATE OF HAWAII
DEPARTMENT OF HEALTH
MEDICAL CANNABIS LABORATORY CERTIFICATION (PROVISIONAL)

Pursuant to Chapter 11-850
Hawaii Administrative Rules, this certification is issued to:

MEDCAN Hawaii LLC

Laboratory

99-1255 Waiua Place, Suite 4/8

Address

Aiea, Hawaii 96701

Address

Chemical Profile [Matrices: Plant, Oils and Oil Extracts, Tinctures, Skin Lotions, Ointments, Capsules, Pills, Lozenges]

Δ9 (delta 9)-Tetrahydrocannabinol (THC)
Tetrahydrocannabinol Acid (THCA)
Cannabidiol (CBD)
Cannabidiolic Acid (CBDA)
Cannabigerol (CBG)
Cannabinol (CBN)

Heavy Metals (sample minimum detection limit (MDL)) [Matrices: Plant, Oils and Oil Extracts, Tinctures, Skin Lotions, Ointments, Capsules, Pills, Lozenges]

Arsenic (10.0 ppm)
Lead (6.0 ppm)
Cadmium (4.0 ppm)
Mercury (2.0 ppm)

Pesticides* (1.0 ppm sample MDL) [Matrices: Plant, Oils and Oil Extracts, Tinctures, Skin Lotions, Ointments, Capsules, Pills, Lozenges]

*Memorandum for the Record, Pesticides Screening List Dated April 28, 2017

Solvents (sample MDL) [Matrices: Oils and Oil Extracts, Tinctures, Skin Lotions, Ointments, Capsules, Pills, Lozenges]

Pentane (5,000 ppm)
Butanes (800 ppm)
Heptanes (500 ppm)
Benzene** (1 ppm)
Toluene** (1 ppm)
Hexane** (10 ppm)
Total Xylenes (m,o,p-xylene) (1 ppm)

** Contaminants in solvents

Visible Examination

Detection of visible foreign or extraneous material that is not intended to be part of the product being produced, including but not limited to mold, hair, insects, metal, or plastic.

Moisture content of plant material

Moisture content <15%

Microbiological impurities [Matrix: Plant, Oils and Oil Extracts, Tinctures, Skin Lotions, Ointments, Capsules, Pills, Lozenges]

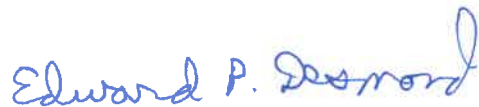
- (i) Total Viable Aerobic Bacteria:
 - (a) Unprocessed and Processed Materials: 10^5 CFU/g
 - (b) CO₂ and Solvent Based Extracts: 10^4 CFU/g
- (ii) Total Yeast and Mold:
 - (a) Unprocessed and Processed Materials: 10^4 CFU/g
 - (b) CO₂ and Solvent Based Extracts: 10^3 CFU/g
- (iii) Total Coliforms:
 - (a) Unprocessed and Processed Materials: 10^3 CFU/g
 - (b) CO₂ and Solvent Based Extracts: 10^2 CFU/g
- (iv) Bile-tolerant Gram Negative Bacteria:
 - (a) Unprocessed and Processed Materials: 10^3 CFU/g
 - (b) CO₂ and Solvent Based Extracts: 10^2 CFU/g
- (v) *Escherichia coli* and *Salmonella* spp.: <1 CFU/g;
- (vi) *Aspergillus fumigatus*, *Aspergillus flavus*, *Aspergillus niger*. <1 CFU/g;
- (vii) Mycotoxins: <20 µg (micrograms) of any aflatoxin or ochratoxin per kg of material

This certification is granted on the express condition that it may be suspended or revoked for any of the causes enumerated in Section 11-850-86, Hawaii Administrative Rules.

Effective Date: January 13, 2022

Certification No.: 2022-ME-1

Expiration Date: January 12, 2023



Edward P. Desmond, Ph.D., D (ABMM)
(for) DIRECTOR OF HEALTH