



Feidhmeannacht na Seirbhíse Sláinte  
Health Service Executive



Andrew Flanagan  
Public Analyst  
H.S.E. Community Healthcare East  
Public Analyst's Laboratory  
Sir Patrick Dun's Hospital  
Lower Grand Canal Street  
Dublin 2.

Tel. (01) 661 2022

Fax. (01) 662 8532

www.hse.ie/eng/services/list/1/public-analyst-laboratory

Date of this Report: 07/02/2020

### Report of the Public Analyst's Laboratory

**Sample of:** Oil  
**Marked:** 3% Raw Hemp Oil  
**Submitted by:** Phillip Devenish  
**Received on:** 03/10/2019  
**Report to:** Laura Garvey PEHO  
Environmental Health Service,  
Adelaide Chambers  
Peter Street  
Dublin 8

**Brand:** uHemp  
**Date Sampled:** 03/10/2019  
**Lab. Ref. No.:** 05898/19/1328 FLC

**Your Ref.:** DNEC/149645

**EU Food Category:** 21

This report is issued subject to the conditions at the end of the report.

**Report No.** 05898/19/1328 FLC /1

**Sampling Location:** Hempture,  
6A, Abbey Street Upper,  
Dublin,  
Dublin, 1.

**Batch Number:** 3/19  
**Best Before Date:** 06/2020  
**Pack Size:** 10 ml

**Declared Value:** 3%

**Manufacturers Recommended Dosage:** 15 mg CBD, 3 times daily

### Analysis Results

**Date Work Commenced:** 14/10/2019

SOP	Parameter	Result	Units	Percent Recovery
PALC0165	Delta-9-tetrahydrocannabinol	>750	mg/kg	98.15
PALC0165	Delta-9-tetrahydrocannabinolic acid	0.8	mg/kg	90.62
PALC0165	Delta-8-tetrahydrocannabinol	183.8	mg/kg	94.44
PALC0165	Cannabinol	100.6	mg/kg	99.89
PALC0165	Cannabidiol	29703.4	mg/kg	104.62
PALC0165	Delta-9-Tetrahydrocannabivarin	39.2	mg/kg	100.16
PALC0165	Cannabidivarin	>350	mg/kg	97.87
PALC0165	Cannabidiolic acid	115.1	mg/kg	100.68
PALC0165	Cannabigerolic acid	0.7	mg/kg	95.49
PALC0165	Cannabigerol	>300	mg/kg	100.71
PALC0165	Cannabichromene	>1000	mg/kg	98.39
PALC0165	# Delta-9-Tetrahydrocannabivarinic acid	<1.0	mg/kg	
PALC0165	# Cannabidivarinic acid	<1.0	mg/kg	
PALC0165	# Cannabinolic acid	<1.0	mg/kg	
PALC0165	# Cannabichromenic acid	2.8	mg/kg	104.46



\*313683/191739\*

"<" or ">" means "Less" or "Greater" than

# indicates a result not accredited by the Irish National Accreditation Board.

Where appropriate, results have been corrected for Recovery using the factor indicated.

The value after the "<" sign is the laboratory's Limit of Quantitation, LOQ.

The value after the ">" sign is the laboratory's Upper Limit of Accreditation.

There is no legislation governing the levels of Cannabinoids in Hemp Oils, CBD oils or Food Supplements, the analytical results are for the purpose of risk assessment.

SOP PALC 0165, "The Determination of Delta-9-Tetrahydrocannabinol and its Precursors in Hemp-Based Products by UPLC-MS/MS" has the following upper accredited limits:

Analyte	Upper Accredited Limit (mg/kg)
Delta-9-tetrahydrocannabinol	750
Cannabidivarin	350
Cannabigerol	300
Cannabichromene	1000

The actual analytical values determined in this sample were:

Analyte	Analytical Result (mg/kg)
Delta-9-tetrahydrocannabinol	1765.9 #
Cannabidivarin	351.3 #
Cannabigerol	430.6 #
Cannabichromene	2223.5 #

These values are not accredited by the Irish National Accreditation Board (INAB).

The Measurement Uncertainty (MU) is applied to a chemical result if the result, taking into account MU, affects conformity with a specification limit, unless otherwise directed by legislation.

Authorised By:



Patrick English  
Executive Analytical Chemist

**Conditions under which this report is issued**

The laboratory does not perform sampling. Samples are analysed as received. This report relates only to the item(s) tested. Any communication relating to the report should be addressed to the relevant signatory.

This report may not be used for the purposes of advertising or publicity. This report may not be reproduced, except in full, without the approval of the testing laboratory.

The samples mentioned in this report will be disposed of according to laboratory policy which is available at [www.hse.ie/eng/services/list/1/public-analyst-laboratory](http://www.hse.ie/eng/services/list/1/public-analyst-laboratory). For further information please contact the laboratory.

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The Public Analyst's Laboratory is accredited to ISO 17025:2005. The laboratory INAB Registration Number is 099T and the laboratory Scope of Accreditation is available on the INAB website.

Where any test result(s) is(are) accredited, the accreditation status is indicated by the inclusion of the INAB logo on the report. If both accredited and non-accredited test results are included on the report, the non-accredited test results are indicated by a # symbol. Where a report includes no accredited test results, the INAB logo is not included on the report.

Where a report includes an accredited result, any opinions and interpretations expressed in the report do not form part of the Scope of Accreditation.

In the event of an investigation, for legal purposes, it may be a requirement that the laboratory share analytical results with the Department of Health, the Food Safety Authority of Ireland or other Official Agencies.

