

JHG ANALYTICAL SERVICES LIMITED

Unit 9 Airside

Boeing Avenue

Airport Business Park

Killowen

WATERFORD.

Tel: +353 51 364103

Mob: +353 85 1379 880

Fax: +353 51 364039



TEST REPORT

REPORT NO.: 19-10-15252

*Celtic Wind Crops Limited
Malta House
Sean O'Carroll Street
Ardee
Co.Louth.
Att : Mr. Sean McCourt.*

<i>Date of Sample:</i>	<i>22-October-2019</i>	<i>Test Report Number:</i>	<i>19-10-15252</i>
<i>Date of Receipt:</i>	<i>24-October-2019</i>	<i>Sample Type:</i>	<i>800mg.Pet Hemp Expeller Sample</i>
<i>Date of Report:</i>	<i>31-October-2019</i>	<i>Sample Reference:</i>	<i>BN01/016A/0919</i>
<i>Laboratory Ref. Number:</i>	<i>19-17452</i>	<i>Sample Presentation:</i> <i>Weight of sample :</i>	<i>150ml Plastic Sample Bottle 40grams.</i>

Abbreviations :

% Vol : *percentage volume.*

% wt: *percentage weight.*

mg/L : *milligrams per litre (ppm).*

ppm : *parts per million or mg per litre.*

mg/g: *milligrams per gram.*

Cannabinoid Profile Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Cannabidiol CBD.	HPLC-PDA	JHG-249	mg/gram.	18.85
Cannabigerol CBG.	HPLC-PDA	JHG-249	mg/gram.	1.20
Cannabichromene CBC.	HPLC-PDA	JHG-249	mg/gram.	0.235
Delta-9-Tetrahydrocannabinol THC.	HPLC-PDA	JHG-249	mg/gram.	Not Detected
Cannabidiol acid CBD-A	HPLC-PDA	JHG-249	mg/gram.	0.088
Cannabigerolic acid CBG-A	HPLC-PDA	JHG-249	mg/gram.	0.045
Tetrahydrocannabivarin THCV	HPLC-PDA	JHG-249	mg/gram.	Not Detected
Tetrahydrocannabivarin Carboxylic acid THCV-A	HPLC-PDA	JHG-249	mg/gram.	Not Detected

Comment:

Result of Delta-9-Tetrahydrocannabinol (THC) of less than 0.0005% is based on Limit of Detection (LOD) for the Instrumentation used in this method. This is the smallest concentration of analyte that can be reported and is based on analysis of a minimum of 7 spiked samples and 7 method blank samples.

TEST REPORT

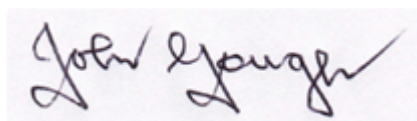
REPORT NO.: 19-10-15252

Microbiological Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Staph. aureus	Pour Plate Count	APHA 9222	CFU/g.	10
Salmonella spp.	Pour Plate Count	APHA 9222	CFU/25g.	< 1
Listeria spp.	Pour Plate Count	APHA 9222	CFU/25g.	< 1
Bacillus cereus	Pour Plate Count	APHA 9222	CFU/g.	< 1
Clostridia spp.	Pour Plate Count	APHA 9222	CFU/g.	< 1
Enterobacteriaceae	Pour Plate Count	APHA 9222	CFU/g.	< 1
Esch. Coli	Pour Plate Count	APHA 9222	CFU/g.	< 1
Yeasts/Molds	Pour Plate Count	APHA 9222	CFU/g.	14

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Protein Content	Kjeldahl	ISO 20483	% mass	10.928%
Crude Fat Content	Soxhlet Distillation	ISO 659	% mass	8.890%
Crude Fibre Content	Digestion/Distill.	JHG 471	% mass	10.875%
Moisture Content	Karl Fischer Electrometry	JHG109	% mass	11.900%

J.W. GOUGH



Technical Signatory.

Dated: 31st. October 2019