

JHG ANALYTICAL SERVICES LIMITED

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**TEST REPORT**

**REPORT NO.: 19-07-14335**

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<i>Date of Sample:</i>	<i>26-June-2019</i>	<i>Test Report Number:</i>	<i>19-07-14335</i>
<i>Date of Receipt:</i>	<i>27-June-2019</i>	<i>Sample Type:</i>	<i>5% CBD Oil Sample 500mg.</i>
<i>Date of Report:</i>	<i>08-July-2019</i>	<i>Sample Reference:</i>	<i>Ref. CPHY</i>
<i>Laboratory Ref. Number:</i>	<i>19-16535</i>	<i>Sample Presentation:</i>	<i>10ml Dispensing Bottle.</i>
		<i>Weight of sample :</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.*

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**Cannabinoid Profile Analysis**

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Cannabidiol CBD.	UHPLC-MS-MS	JHG-249	% mass.	4.750
Cannabigerol CBG.	UHPLC-MS-MS	JHG-249	% mass.	0.150
Cannabichromene CBC.	UHPLC-MS-MS	JHG-249	% mass.	0.100
Delta-9-Tetrahydrocannabinol THC.	UHPLC-MS-MS	JHG-249	% mass.	< 0.002
Cannabidiol acid CBD-A	UHPLC-MS-MS	JHG-249	% mass.	< 0.002
Cannabigerolic acid CBG-A	UHPLC-MS-MS	JHG-249	% mass.	0.068
Tetrahydrocannabivarin THCV	UHPLC-MS-MS	JHG-249	% mass.	< 0.002
Tetrahydrocannabivarin Carboxylic acid THCV-A	UHPLC-MS-MS	JHG-249	% mass.	< 0.002

**Pesticide Residues Analysis**

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Organochlorine	UHPLC-MS	APHA 6630	µg/gram.	< 0.002
Organophosphorus	UHPLC-MS	APHA 6630	µg/gram.	< 0.002
Organonitrogen	UHPLC-MS	APHA 6630	µg/gram.	< 0.05
Carbamate Pesticides	UHPLC-MS	APHA 6630	µg/gram.	< 0.03
Pyrethroid Residues	UHPLC-MS	APHA 6630	µg/gram.	< 0.001
Organotin	UHPLC-MS	APHA 6630	µg/gram.	< 0.002

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**Heavy Metals Analysis**

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Mercury as Hg.	Cold Vapour AAS	EC 1881	µg/gram.	< 0.002
Chromium as Cr.	ICP-OES	EC 1881	µg/gram.	< 0.002
Arsenic as As.	ICP-OES	EC 1881	µg/gram.	< 0.0005
Cadmium as Cd.	ICP-OES	EC 1881	µg/gram.	< 0.003
Nickel as Ni.	ICP-OES	EC 1881	µg/gram.	< 0.002
Lead as Pb.	ICP-OES	EC 1881	µg/gram.	< 0.002

**Aflatoxins/Ochratoxins Analysis**

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Ochratoxin	HPLC-PDA	EC 401	µg/gram.	< 0.01
Aflatoxins Scan	HPLC-PDA	EC 401	µg/gram.	< 0.01
B1	HPLC-PDA	EC 401	µg/gram.	< 0.002
B2	HPLC-PDA	EC 401	µg/gram.	< 0.05
G1	HPLC-PDA	EC 401	µg/gram.	< 0.001
G2	HPLC-PDA	EC 401	µg/gram.	< 0.005

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## Microbiological Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Staph. aureus	Pour Plate Count	APHA 9222	CFU/g.	3
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.	2

Comment:

This product may be classified as Organic, on the basis of above Analytical Data.

**J.W. GOUGH**

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**Technical Signatory.**

**Dated : 8<sup>th</sup>. July 2019**