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**TEST REPORT**

**REPORT NO.: 20-05-16715**

*Remedy CBD Products  
Millenium Industrial Park  
Youghal  
Co.Cork.  
Att : Mr. Killian McGrath.*

<i>Date of Sample:</i>	<i>29-April-2020</i>	<i>Test Report Number:</i>	<i>20-05-16715</i>
<i>Date of Receipt:</i>	<i>30-April-2020</i>	<i>Sample Type:</i>	<i>CBD Oil Sample Case No. DI-100LL</i>
<i>Date of Report:</i>	<i>25-May-2020</i>	<i>Sample Reference:</i>	<i>Ref. BN LL9-26DI-100L</i>
<i>Laboratory Ref. Number:</i>	<i>20-18915</i>	<i>Sample Presentation:</i> <i>Weight of sample :</i>	<i>10ml Dispenser Glass Bottle</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.*

## Terpenes Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
β-Caryophellene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	21
Myrecene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	19
β-Sitosterol	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	13
Terpinolene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	12
A-Pinene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	4
β-Pinene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	3
Bergamotene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	Not Detected
Limonene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	1.50
Merolidol	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	2.80
Linalool	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	11
Humulene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	15
Bisabolol	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	7
Valencene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	4
Trans- β-Ocimene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	5
Borneol	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	2
Delta-3-Carene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	Not Detected

## Cannabinoid Profile Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Cannabidiol CBD.	UHPLC-MS-MS	JHG-249	% weight	17.15
Cannabigerol CBG.	UHPLC-MS-MS	JHG-249	% weight	3.00
Cannabichromene CBC.	UHPLC-MS-MS	JHG-249	% weight	2.28
Delta-9-Tetrahydrocannabinol THC.	UHPLC-MS-MS	JHG-249	% weight	Not Detected
Delta-9-Tetrahydrocannabinolic acid THC-A.	UHPLC-MS-MS	JHG-249	% weight	Not Detected
Cannabidiol acid CBD-A	UHPLC-MS-MS	JHG-249	% weight	0.55
Cannabigerolic acid CBG-A	UHPLC-MS-MS	JHG-249	% weight	0.25
Tetrahydrocannabivarin THCV	UHPLC-MS-MS	JHG-249	% weight	Not Detected
Tetrahydrocannabivarin Carboxylic acid THCV-A	UHPLC-MS-MS	JHG-249	% weight	Not Detected

## 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.	< 0.050
Carbamate Pesticides	UHPLC-MS	APHA 6630	µg/gram.	< 0.030
Pyrethroid Residues	UHPLC-MS	APHA 6630	µg/gram.	< 0.001
Organotin	UHPLC-MS	APHA 6630	µg/gram.	< 0.002

### Heavy Metals Analysis

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

### Aflatoxins/Ochratoxins Analysis

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

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**Trace Minerals Analysis**

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Potassium as K.	ICP-OES	APHA 3500	mg/ml.	8
Phosphorus as P.	ICP-OES	APHA 3500	mg/ml.	3
Magnesium as Mg.	ICP-OES	APHA 3500	mg/ml.	6
Calcium as Ca.	ICP-OES	APHA 3500	mg/ml.	5
Iron as Fe.	ICP-OES	APHA 3500	mg/ml.	5
Sodium as Na.	ICP-OES	APHA 3500	mg/ml.	8
Manganese as Mn.	ICP-OES	APHA 3500	mg/ml.	2
Zinc as Zn.	ICP-OES	APHA 3500	mg/ml.	3
Copper as Cu	ICP-OES	APHA 3500	mg/ml.	2

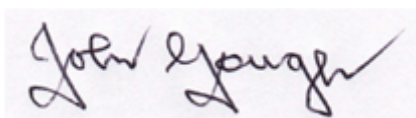
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## Microbiological Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Staph. aureus	Pour Plate Count	APHA 9222	CFU/ml	4
Salmonella spp.	Pour Plate Count	APHA 9222	CFU/ml	< 1
Listeria spp.	Pour Plate Count	APHA 9222	CFU/ml	< 1
Bacillus cereus	Pour Plate Count	APHA 9222	CFU/ml	< 1
Clostridia spp.	Pour Plate Count	APHA 9222	CFU/ml	< 1
Enterobacteriaceae	Pour Plate Count	APHA 9222	CFU/ml	< 1
Esch. Coli	Pour Plate Count	APHA 9222	CFU/ml	< 1
Yeasts/Molds	Pour Plate Count	APHA 9222	CFU/ml	17

**J.W. GOUGH**



**Technical Signatory.**

**Dated : 25<sup>th</sup>. May 2020**