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TEST REPORT

REPORT NO.: 20-05-16716

*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>20-05-16716</i>
<i>Date of Receipt:</i>	<i>30-April-2020</i>	<i>Sample Type:</i>	<i>CBD Oil Sample Case No. D2-105LL</i>
<i>Date of Report:</i>	<i>25-May-2020</i>	<i>Sample Reference:</i>	<i>Ref. BN LL27-42D2-105L</i>
<i>Laboratory Ref. Number:</i>	<i>20-18916</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.	34
Myrcene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	22
β -Sitosterol	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	15.50
Terpinolene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	16.25
α -Pinene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	7
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.	3.50
Merolidol	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	3.70
Linalool	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	15
Humulene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	10.60
Bisabolol	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	7
Valencene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	6
Trans- β -Ocimene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	4.50
Borneol	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	3.35
Delta-3-Carene	HS-GC-FID	Shimadzu HS-GC-FID	mg/ml.	0.40

Cannabinoid Profile Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Cannabidiol CBD.	UHPLC-MS-MS	JHG-249	% weight	15.80
Cannabigerol CBG.	UHPLC-MS-MS	JHG-249	% weight	2.20
Cannabichromene CBC.	UHPLC-MS-MS	JHG-249	% weight	2.25
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	0.70
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.	11
Phosphorus as P.	ICP-OES	APHA 3500	mg/ml.	3
Magnesium as Mg.	ICP-OES	APHA 3500	mg/ml.	8
Calcium as Ca.	ICP-OES	APHA 3500	mg/ml.	9
Iron as Fe.	ICP-OES	APHA 3500	mg/ml.	6.50
Sodium as Na.	ICP-OES	APHA 3500	mg/ml.	10.90
Manganese as Mn.	ICP-OES	APHA 3500	mg/ml.	2.50
Zinc as Zn.	ICP-OES	APHA 3500	mg/ml.	2.50
Copper as Cu	ICP-OES	APHA 3500	mg/ml.	2

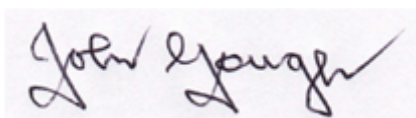
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Microbiological Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Staph. aureus	Pour Plate Count	APHA 9222	CFU/ml	2
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	5

J.W. GOUGH



Technical Signatory.

Dated : 25th. May 2020