

How we identify your sample

Client: John Doe Company
Sample Name: John Doe's Blend
Sample Matrix: Cannabis Flower
Lot No: JDB101

Order-Sample No: 00060-04
Date Received: 12-Nov-22
Date Reported: 17-Nov-22

SUMMARY

Potency

Total THC
16.51%

Total CBD
1.61%

Total Cannabinoids*
21.07%

Heavy Metals

Out of Limit

Toxicology

Within Limit

Pesticides

Out of Limit

Residual Solvents

Within Limit

Microbials

Within Limit

This is a summary of your results. Detailed reports on each test run on your sample will be in the subsequent pages

* based on available compounds detected

Legend:

LOQ Limit of Quantification
<LOQ Below Limit of Quantification
ppm Parts Per Million (µg/g for dry weight)
ppb Parts Per Billion (ng/g for dry weight)

The Limit of Quantification (LOQ) is the lowest our equipment can quantify an analyte of your sample with confidence. If less than LOQ is reported (<LOQ), that means we can either detect but not quantify the analyte or we cannot detect it

† ISO 17025 accredited method

Results in RED are outside of limit
Results in GREEN are within limit

Colours are used to show you where your sample is within or outside of accepted limits for each test

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Authorized by:

Dr. Lukman Sarker, Lab Director

All test results are approved prior to being released

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POTENCY ANALYSIS

Analyte	Results [ppm]	LOQ [ppm]	Results [wt%]
CBD	4115.29	0.1	0.41
CBDA	13698.79	0.1	1.37
Δ^9 -THC	3756.97	0.1	0.38
Δ^9 -THCA	188249.22	0.1	18.82
THCV	<LOQ	0.1	N/A
CBG	<LOQ	0.1	N/A
CBGA	899.21	0.1	0.09
CBN	<LOQ	0.1	N/A
CBDVA	<LOQ	0.1	N/A
CBC	<LOQ	0.1	N/A
**Total CBD	16129.13		1.61
**Total THC	168851.54		16.51
* Total Cannabinoids	210719.48		21.07

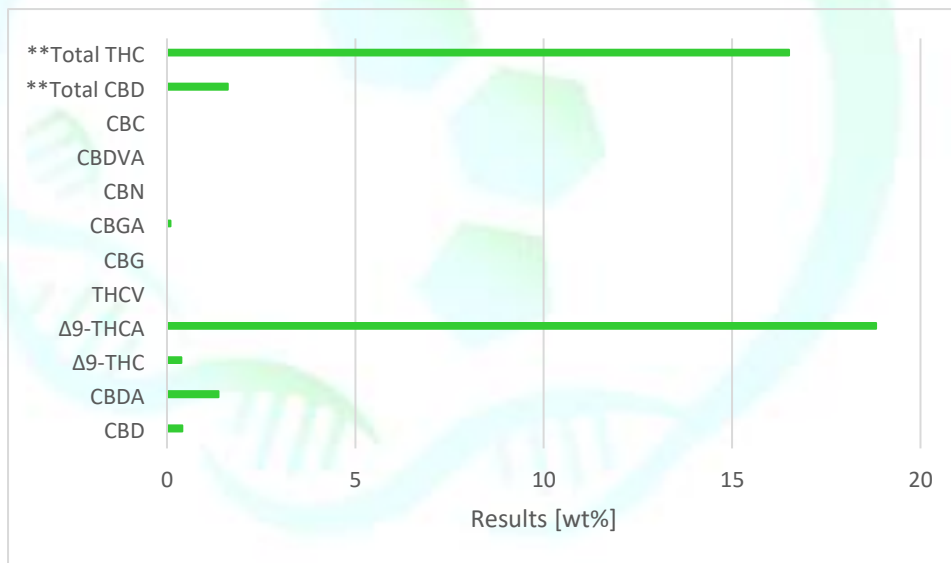
* based on available compounds detected

**Calculated as: Total CBD=CBD+(0.877)CBDA / Total THC= THC+(0.877)THCA

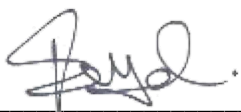
Modified UNODC method based on chromatography principles of USP<621>

The less than "<" LOQ means that these analytes cannot be quantified

The validated method used to obtain your results



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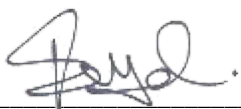
HEAVY METALS ANALYSIS

Analyte	Results [ppb]	LOQ [ppb]	Limits [ppb]
Arsenic	GREEN is good! Your sample is within accepted limits! 123.56	1	2000
Cadmium	<LOQ	1	2000
Mercury	RED means your sample is outside of accepted limits 1206.41	1	1000
Lead	<LOQ	1	5000

Adopted USP<232> and <233> methods.

Acceptable limits for each analyte are based on
accredited pharmacopoeia or Health Canada
standards

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TOXICOLOGY ANALYSIS

Analyte	Results [ppb]	LOQ [ppb]	Limits [ppb]
Aflatoxin B1	0.89	0.3	<5
Aflatoxin B2	1.24	1	
Aflatoxin G1	<LOQ	1	
Aflatoxin G2	1.01	1	
Sum B1,B2,G1,G2	3.14		<20

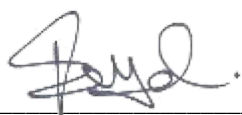
GREEN is good! Your sample is within accepted limits!

USP limits for Aflatoxins: Sum of Aflatoxins B1, B2, G1, G2 must be less than 20ppb.

Adopted method based on USP<561>

Limits for Aflatoxinxs B2, G1 & G2 are considered in the limit of the sum of all Aflatoxins. Aflatoxin B1 and the sum of all Aflatoxins must be within accepted limits

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GREEN is good! Your sample is within accepted limits!

RED means your sample is outside of accepted limits

PESTICIDE ANALYSIS

Analyte	LOQ [ppb]	Results [ppb]	Analyte	LOQ [ppb]	Results [ppb]	Analyte	LOQ [ppb]	Results [ppb]
Abamectin	5	<LOQ	Endosulfan sulfate**	25	<LOQ	Paclobutrazol	5	<LOQ
Acephate	5	<LOQ	Endosulfan-alpha**	50	<LOQ	Parathion-methyl**	25	<LOQ
Acequinocyl	5	<LOQ	Endosulfan-beta**	25	<LOQ	Permethrin	5	<LOQ
Acetamiprid	5	5.79	Ethoprophos	5	22.53	Phenothrin	5	<LOQ
Aldicarb	5	<LOQ	Etofenprox	5	5.06	Phosmet	5	<LOQ
Allethrin	5	<LOQ	Etoxazole	5	<LOQ	Piperonyl butoxide	5	<LOQ
Azadirachtin	5	<LOQ	Etridiazole**	5	<LOQ	Pirimicarb	5	<LOQ
Azoxystrobin	5	<LOQ	Fenoxycarb	5	<LOQ	Prallethrin	5	<LOQ
Benzovindiflupyr	5	<LOQ	Fenpyroximate	5	<LOQ	Propiconazole	5	<LOQ
Bifenazate	5	<LOQ	Fensulfothion	5	<LOQ	Propoxur	5	<LOQ
Bifenthrin	5	<LOQ	Fenthion	5	<LOQ	Pyraclostrobin	5	<LOQ
Boscalid	5	<LOQ	Fenvalerate	5	<LOQ	Pyrethrins	5	<LOQ
Buprofezin	5	5.67	Fipronil	5	<LOQ	Pyridaben	5	<LOQ
Carbaryl	5	<LOQ	Flonicamid	5	<LOQ	Quintozene**	5	<LOQ
Carbofuran	5	<LOQ	Fludioxonil	5	<LOQ	Resmethrin	5	<LOQ
Chlorantraniliprole	5	<LOQ	Fluopyram	5	<LOQ	Spinetoram	5	<LOQ
Chlorphenapyr**	25	<LOQ	Hexythiazox	5	<LOQ	Spinosad	5	<LOQ
Chlorpyrifos	5	<LOQ	Imazalil	5	<LOQ	Spirodiclofen	5	<LOQ
Clofentezine	5	<LOQ	Imidacloprid	5	<LOQ	Spiromesifen	5	<LOQ
Clothianidin	5	<LOQ	Iprodione	5	<LOQ	Spirotetramat	5	6.01
Coumaphos	5	<LOQ	Kinoprene**	25	<LOQ	Spiroxamine	5	<LOQ
Cyantraniliprole	5	<LOQ	Kresoxim-methyl	5	<LOQ	Tebuconazole	5	<LOQ
Cyfluthrin**	100	<LOQ	Malathion	5	<LOQ	Tebufenozide	5	<LOQ
Cypermethrin**	100	<LOQ	Metalaxyl	5	<LOQ	Teflubenzuron	5	<LOQ
Cyprodinil	5	<LOQ	Methiocarb	5	<LOQ	Tetrachlorvinphos	5	<LOQ
Daminozide	5	<LOQ	Methomyl	5	<LOQ	Tetramethrin	5	<LOQ
Deltamethrin	5	<LOQ	Methoprene	5	<LOQ	Thiacloprid	5	<LOQ
Diazinon	5	<LOQ	Mevinphos	5	<LOQ	Thiamethoxam	5	<LOQ
Dichlorvos	5	<LOQ	MGK-264**	25	<LOQ	Thiophanate-methyl	5	<LOQ
Dimethoate	5	<LOQ	Myclobutanil	5	<LOQ	Trifloxystrobin	5	<LOQ
Dimethomorph	5	<LOQ	Naled	5	<LOQ			
Dinotefuran	5	<LOQ	Novaluron	5	<LOQ			
Dodemorph	5	<LOQ	Oxamyl	5	<LOQ			

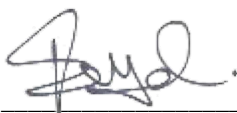
**Detectable only by GC-MS

Please see the appendix for Health Canada pesticide reporting limits

Adopted method based on USP<561>

compare your results to accepted limits in the appendix

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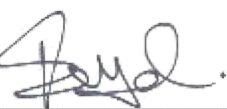
RESIDUAL SOLVENTS ANALYSIS

Analyte	Results [ppm]	LOQ [ppm]	Limits [ppm]*
Class 3 RS Analyte			
1-Propanol	<LOQ	10	<5000
2-Propanol	<LOQ	10	<5000
Acetone	<LOQ	10	<5000
Ethanol	GREEN is good! Your sample is within accepted limits! 1234.69	10	<5000
Heptane	<LOQ	10	<5000
Anisole	<LOQ means this analyte cannot be quantified for your sample	10	<5000
1-butanol	<LOQ	10	<5000
2-butanol	<LOQ	10	<5000
Butyl acetate	<LOQ	10	<5000
Tert-butylmethyl ether	<LOQ	10	<5000
Isobutyl acetate	<LOQ	10	<5000
Isopropyl acetate	<LOQ	10	<5000
Methyl acetate	<LOQ	10	<5000
3-methyl-1-butanol	<LOQ	10	<5000
Methylethyl ketone	<LOQ	10	<5000
2-methyl-1-propanol	<LOQ	10	<5000
Propane	<LOQ	10	<5000
Butane	<LOQ	10	<5000
Class 2 RS Analyte			
Chloroform	<LOQ	10	<60
Methanol	<LOQ	10	<3000

* ICH limits

Adopted method based on USP<467>

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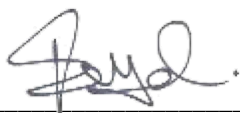
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MICROBIAL ANALYSIS

Microbial Assays	Results [CFU/g]	Limits [CFU/g or, CFU/ml]
Total Aerobic Plate Count	5900	<100,000
Total Yeast and Mold Count	<10	<1,000
Bile Tolerant Gram (-) Bacteria	<10	<1,000
<i>E. coli</i>	GREEN is good! Your sample is within accepted limits! Absent	Absence
<i>Salmonella</i> spp.	Absent	Absence
<i>S. aureus</i>	Absent	Absence
<i>P. aeruginosa</i>	Absent	Absence

Adopted method based on USP<61><62>

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Compare your result to the appropriate matrix type for each analyte

Appendix

Pesticides Reporting Limits (Health Canada)

Analyte	Fresh [ppb]	Dry [ppb]	Oil [ppb]	Analyte	Fresh [ppb]	Dry [ppb]	Oil [ppb]
Abamectin	250	100	250	Hexythiazox	10	10	N/A
Acephate	50	20	50	Imazalil	10	50	10
Acequinocyl	50	30	N/A	Imidacloprid	10	20	10
Acetamiprid	50	100	50	Iprodione	500	1000	500
Aldicarb	500	1000	500	Kinoprene**	50	500	1250
Allethrin	100	200	100	Kresoxim-methyl	10	20	150
Azadirachtin	500	1000	500	Malathion	10	20	10
Azoxystrobin	10	20	10	Metalaxyl	10	20	10
Benzovindiflupyr	10	20	10	Methiocarb	10	20	10
Bifenazate	50	20	10	Methomyl	50	50	25
Bifenthrin	100	1000	N/A	Methoprene	1000	2000	N/A
Boscalid	10	20	10	Mevinphos	25	50	25
Buprofezin	10	20	N/A	MGK-264**	50	50	N/A
Carbaryl	25	50	25	Myclobutanil	10	20	10
Carbofuran	10	20	10	Naled	200	100	N/A
Chlorantraniliprole	10	20	N/A	Novaluron	25	50	25
Chlorphenapyr**	100	50	1500	Oxamyl	1500	3000	1500
Chlorpyrifos	10	40	500	Paclobutrazol	10	20	10
Clofentezine	10	20	10	Parathion-methyl**	30	50	N/A
Clothianidin	25	50	25	Permethrin	500	500	N/A
Coumaphos	10	20	10	Phenothrin	25	50	N/A
Cyantraniliprole	10	20	10	Phosmet	10	20	N/A
Cyfluthrin**	1000	200	N/A	Piperonyl butoxide	250	200	1250
Cypermethrin**	1000	300	N/A	Pirimicarb	10	20	10
Cyprodinil	250	250	10	Prallethrin	50	50	N/A
Daminozide	50	100	N/A	Propiconazole	10	100	N/A
Deltamethrin	1000	500	N/A	Propoxur	10	20	10
Diazinon	10	20	N/A	Pyraclostrobin	10	20	10
Dichlorvos	50	100	50	Pyrethrins	25	50	N/A
Dimethoate	10	20	10	Pyridaben	25	50	20
Dimethomorph	50	50	N/A	Quintozene**	10	20	N/A
Dinotefuran	50	100	50	Resmethrin	20	100	50
Dodemorph	50	50	N/A	Spinetoram	10	20	10
Endosulfan sulfate**	500	50	2500	Spinosad	10	100	10
Endosulfan-alpha**	100	200	2500	Spirodiclofen	250	250	N/A
Endosulfan-beta**	500	50	2500	Spiromesifen	50	3000	N/A
Ethoprophos	10	20	10	Spirotetramat	100	20	10
Etofenprox	10	50	N/A	Spiroxamine	10	100	N/A
Etoxazole	10	20	N/A	Tebuconazole	10	50	10
Etridiazole**	10	30	150	Tebufenozide	10	20	10
Fenoxycarb	10	20	10	Teflubenzuron	25	50	25
Fenpyroximate	20	20	N/A	Tetrachlorvinphos	10	20	10
Fensulfthion	10	20	10	Tetramethrin	50	100	N/A
Fenthion	10	20	10	Thiacloprid	10	20	10
Fenvalerate	100	100	N/A	Thiamethoxam	10	20	10
Fipronil	10	60	10	Thiophanate-methyl	30	50	N/A
Flonicamid	25	50	25	Trifloxystrobin	10	20	10
Fludioxonil	10	20	10				
Fluopyram	10	20	10				

**Detectable only by GC-MS

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