ANALYTICAL 360

Analytical 360
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Yakima, WA 98902

(206) 577-6998
http://analytical360.com
WSLCB Lab ID: 0004

Certificate of Analysis

CBD Focus+Energy / 5-100-8-20

Simple Leaf CBD

Test Result UID: ANL0040108
Lot Inventory ID:
Lab Inventory ID:
Date Tested: 11/13/2020 Serving Size: 1 Capsule = 0.7044 g

Summary

23.92 mg/s	Pass	Pass	Pass	Pass	Pass
Total Cannabinoids	Microbial	Mycotoxins	Residual Solvents	Pesticides	Heavy Metals

Cannabinoids

Testing method: HPLC-SOP 0011

Analyte	LOD	LOQ	Mass	Mass
Δ9-THC-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ9-THC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ9-THCV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ8-THC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBN	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBD-A	0.000 mg/g	0.001 mg/g	0.051 mg/g	0.036 mg/s
CBD	0.000 mg/g	0.001 mg/g	33.733 mg/g	23.761 mg/s
CBDV-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBDV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBG-A	0.000 mg/g	0.001 mg/g	0.009 mg/g	0.006 mg/s
CBG	0.000 mg/g	0.001 mg/g	0.160 mg/g	0.113 mg/s
CBC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s

ND mg/s
Total THC

23.79 mg/s
Total CBD

Total THC = Δ9-THC-A * 0.877 + Δ9-THC
Total CBD = CBD-A * 0.877 + CBD
LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected

The values reported pertain only to the product tested.

Terpenes

Testing method: HSGCFID-SOP 0030

Analyte	LOD	LOQ	Mass	Mass
α-Pinene	0.00 mg/g	0.01 mg/g	NT	NT
β-Pinene	0.00 mg/g	0.01 mg/g	NT	NT
Myrcene	0.00 mg/g	0.01 mg/g	NT	NT
Ocimene	0.00 mg/g	0.01 mg/g	NT	NT
Limonene	0.00 mg/g	0.01 mg/g	NT	NT
Terpinolene	0.00 mg/g	0.01 mg/g	NT	NT
Linalool	0.00 mg/g	0.01 mg/g	NT	NT
Caryophyllene	0.00 mg/g	0.01 mg/g	NT	NT
Humulene	0.00 mg/g	0.01 mg/g	NT	NT

Not Tested
Total Terpenes

Not Tested	Not Tested	Not Tested
Moisture	Water Activity	Foreign Matter
SOP-0009	SOP-0053	SOP-0010

Analytical 360, LLC certifies that the results presented are true and correct to the best of our knowledge. These results relate only to the sample provided by the client to Analytical 360, LLC.

Reference Lab
Analytical 360, LLC subcontracts the following assays:
Mycotoxins, Terpenes, and Pesticides performed by Praxis Laboratory (WSLCB Lab #0020)
Pesticides and Heavy Metals performed by Medicine Creek Analytics (WSLCB Lab #0018)

Approved By
Paul D. Matthews, Ph.D.
Paul Matthews, Ph.D.
Executive Lab Director / Chief Science Officer

CBD Focus+Energy / 5-100-8-20

Simple Leaf CBD

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Microbial

Testing method: PLATE-SOP 0007

Analyte	LOD	LOQ	Action Level	Mass	Status
Enterobacteria	20 CFU/g	85 CFU/g	1000 CFU/g	ND CFU/g	Pass
Salmonella spp.	-	-	Any Detected in 1 g		Pass
Escherichia coli	-	-	Any Detected in 1 g		Pass
Total Aerobic Bacteria	170 CFU/g	850 CFU/g	No Limit	ND CFU/g	
Total Yeast and Mold	170 CFU/g	850 CFU/g	No Limit	70 CFU/g	
Total Coliforms	20 CFU/g	85 CFU/g	No Limit	ND CFU/g	

Mycotoxins

Testing method: ELISA-SOP 0054

Analyte	LOD	LOQ	Action Level	Mass	Status
Aflatoxins B1, B2, G1, G2	0.1 ppb	1.0 ppb	20 ppb	ND ppb	Pass
Ochratoxin A	0.1 ppb	1.0 ppb	20 ppb	ND ppb	Pass

Heavy Metals

Testing method: ICPMS-SOP 0055

Analyte	LOD	LOQ	Action Level	Mass	Status
Arsenic	0.02 ug/5g	0.06 ug/5g	10 ug/5g	ND ug/5g	Pass
Cadmium	0.01 ug/5g	0.04 ug/5g	4.1 ug/5g	ND ug/5g	Pass
Lead	0.01 ug/5g	0.02 ug/5g	6 ug/5g	ND ug/5g	Pass
Mercury	0.02 ug/5g	0.07 ug/5g	2 ug/5g	ND ug/5g	Pass

Washington State I-502 Recreational Marijuana Microbial / Mycotoxins Action Levels

Counts not to exceed:
- 1,000 CFU/g Enterobacteria for solvent extracts and edibles
- 10,000 CFU/g Enterobacteria for flower, hash and kief
- *E coli* and *Salmonella* **not detected** in one gram for all products
- 20 ppb for Aflatoxins B1, B2, G1, G2, and Ochratoxin A for all products

LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected
CFU/g = Colony Forming Units Per Gram; ppm = Parts per Million; ppb = Parts per Billion
TNTC = Too Numerous To Count

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Pass Microbial

Pass Mycotoxins

Pass Heavy Metals

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Residual Solvents

Testing method: HSGCFID-SOP 0020

Analyte	LOD	LOQ	Action Level	Mass
Propane	1 ppm	20 ppm	5000 ppm	ND ppm
Isobutane	1 ppm	20 ppm	5000 ppm	ND ppm
Butane	1 ppm	20 ppm	5000 ppm	ND ppm
Ethanol	1 ppm	20 ppm	No Limit	NT
Acetone	1 ppm	20 ppm	5000 ppm	ND ppm
Toluene	1 ppm	20 ppm	890 ppm	ND ppm
Pentane	1 ppm	20 ppm	5000 ppm	ND ppm
Isopropanol	1 ppm	20 ppm	5000 ppm	ND ppm
Hexane	1 ppm	20 ppm	290 ppm	ND ppm
Heptane	1 ppm	20 ppm	5000 ppm	ND ppm
Isopentane	1 ppm	20 ppm	5000 ppm	ND ppm
Tetrahydrofuran	1 ppm	20 ppm	720 ppm	ND ppm
Methanol	1 ppm	20 ppm	3000 ppm	ND ppm
Acetonitrile	1 ppm	20 ppm	410 ppm	ND ppm
Dichloromethane	1 ppm	20 ppm	600 ppm	ND ppm
Ethyl Acetate	1 ppm	20 ppm	5000 ppm	ND ppm
Chloroform	1 ppm	2 ppm	2 ppm	ND ppm
Cyclohexane	1 ppm	20 ppm	3900 ppm	ND ppm
Benzene	1 ppm	2 ppm	2 ppm	ND ppm
Ethyl Benzene	1 ppm	20 ppm	2200 ppm	ND ppm
m + p Xylenes	1 ppm	20 ppm	2200 ppm	ND ppm
o Xylene	1 ppm	20 ppm	2200 ppm	ND ppm
Total Xylenes	1 ppm	20 ppm	2200 ppm	ND ppm

LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected
ppm = Parts Per Million

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ND ppm
Total Solvents

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Pesticides

Testing method: LCMS-SOP 0055

Analyte	LOD ppm	LOQ ppm	Mass	Action Level ppm
Methamidophos	0.033	0.1	ND ppm	0.1
Acephate	0.1	0.3	ND ppm	0.4
Pymetrozine	0.05	0.2	ND ppm	0.1
Flonicamid			ND ppm	1
Aminocarb	0.033	0.1	ND ppm	0.1
Oxamyl	0.033	0.1	ND ppm	1
Thiamethoxam	0.05	0.2	ND ppm	0.2
Mexacarbate	0.033	0.1	ND ppm	0.1
Clothianidin	0.05	0.15	ND ppm	0.1
Dicrotophos	0.05	0.15	ND ppm	0.1
Acetamiprid	0.033	0.1	ND ppm	0.2
Pyracarbolid	0.04	0.125	ND ppm	0.1
Carbetamide	0.05	0.15	ND ppm	0.1
Carbofuran	0.05	0.15	ND ppm	0.2
Oxadixyl	0.05	0.2	ND ppm	0.1
Thiacloprid	0.05	0.15	ND ppm	0.2
Isoprocarb	0.05	0.2	ND ppm	0.1
Tebuthiuron	0.04	0.125	ND ppm	0.1
Chlorotoluron	0.05	0.2	ND ppm	0.1
Isoproturon	0.05	0.15	ND ppm	0.1
Diuron	0.1	0.3	ND ppm	0.1
Fenamidone	0.05	0.15	ND ppm	0.1
Prometon	0.05	0.15	ND ppm	0.1
Methiocarb			ND ppm	0.2
Paclobutrazol	0.05	0.2	ND ppm	0.4
Methoprotryne	0.05	0.2	ND ppm	0.1
Mepronil			Not Tested	0.1
Flutolanil	0.05	0.2	ND ppm	0.1
Myclobutanil	0.075	0.25	ND ppm	0.2
Mefenacet	0.05	0.15	ND ppm	0.1
Bifenazate	0.05	0.2	ND ppm	0.2
Dimethomorph	0.05	0.2	ND ppm	0.1
Methoxyfenozide	0.05	0.15	ND ppm	0.1
Epoxiconazole	0.075	0.25	ND ppm	0.1
Spirotetramat	0.05	0.2	ND ppm	0.2
Tebuconazole	0.05	0.2	ND ppm	0.4
Rotenone	0.05	0.2	ND ppm	0.1
Flufenacet	0.05	0.2	ND ppm	0.1
Carfentrazone-ethyl NH4	0.05	0.2	ND ppm	0.1
Benalaxyl	0.05	0.15	ND ppm	0.1
Cyazofamid	0.05	0.15	ND ppm	0.1
Furathiocarb	0.05	0.2	ND ppm	0.1
Pyripoxyfen	0.05	0.15	ND ppm	0.1
Piperonyl Butoxide	0.05	0.15	ND ppm	2
Propargite	0.04	0.125	ND ppm	0.1
Etoxazole	0.05	0.2	ND ppm	0.2
Pyrethrin II			ND ppm	1
Pyrethrin I			ND ppm	1
Fenpyroximate	0.04	0.125	ND ppm	0.4
Spinosad D	0.05	0.2	ND ppm	0.2
Permethrin NH4	0.05	0.2	ND ppm	0.2
Fipronil	0.1	0.3	ND ppm	0.4
Ethoprophos	0.1	0.4	ND ppm	0.2
Aldicarb	0.075	0.25	ND ppm	0.1
Boscalid			ND ppm	0.1
Etofenprox	0.04	0.125	ND ppm	0.1
Methomyl	0.05	0.2	ND ppm	0.1
Phosmet	0.05	0.2	ND ppm	0.1
Uniconazole	0.075	0.25	ND ppm	0.1

Analyte	LOD ppm	LOQ ppm	Mass	Action Level ppm
Daminozide			Not Tested	1
Omethoate	0.05	0.2	ND ppm	0.1
Propamocarb	0.04	0.125	ND ppm	0.1
Aldicarb Sulfone	0.05	0.2	ND ppm	0.4
Nitenpyram	0.05	0.2	ND ppm	0.1
Fenuron	0.033	0.1	ND ppm	0.1
3-Hydroxycarbofuran	0.075	0.25	ND ppm	0.2
Dimethoate	0.05	0.2	ND ppm	0.2
Imidacloprid	0.05	0.2	ND ppm	0.4
Vamidothion	0.033	0.1	ND ppm	0.1
Fuberidazole	0.033	0.1	ND ppm	0.1
Propoxur	0.04	0.125	ND ppm	0.2
Thiophanate-Methyl	0.05	0.15	ND ppm	0.1
Tricyclazole	0.05	0.15	ND ppm	0.1
Ethiofencarb	0.075	0.25	ND ppm	0.1
Carboxin	0.05	0.15	ND ppm	0.1
Carbaryl	0.05	0.2	ND ppm	0.2
Pirimicarb	0.05	0.15	ND ppm	0.1
Cycluron	0.05	0.15	ND ppm	0.1
Fluometuron	0.05	0.2	ND ppm	0.1
Chlorantraniliprole	0.075	0.25	ND ppm	0.2
Methabenzthiazuron	0.05	0.15	ND ppm	0.1
Diethofencarb	0.05	0.15	ND ppm	0.1
Metalaxyl	0.05	0.15	ND ppm	0.2
Furalaxyl	0.05	0.15	ND ppm	0.1
Azoxystrobin	0.05	0.2	ND ppm	0.2
Chloroxuron	0.05	0.15	ND ppm	0.1
Iprovalicarb	0.05	0.2	ND ppm	0.1
Mandipropamid	0.05	0.2	ND ppm	0.1
Imazalil	0.1	0.4	ND ppm	0.2
Fenoxycarb	0.05	0.2	ND ppm	0.2
Kresoxym-methyl	0.05	0.15	ND ppm	0.4
Spiromesifen	0.04	0.125	ND ppm	0.2
Dimoxystrobin	0.05	0.15	ND ppm	0.1
Tebufenozide	0.05	0.15	ND ppm	0.1
Clofentezine			ND ppm	0.2
Zoxamide	0.05	0.2	ND ppm	0.1
Picoxystrobin	0.05	0.2	ND ppm	0.1
Butafenacil	0.05	0.15	ND ppm	0.1
Thiobencarb	0.05	0.2	ND ppm	0.1
Pyraclostrobin	0.05	0.15	ND ppm	0.1
Trifloxystrobin	0.04	0.125	ND ppm	0.2
Hexythiazox	0.05	0.2	ND ppm	1
Triflumizole	0.05	0.15	ND ppm	0.1
Quinoxyfen	0.033	0.1	ND ppm	0.1
Indoxacarb	0.05	0.2	ND ppm	0.1
Pyridaben	0.05	0.2	ND ppm	0.2
Fenazaquin	0.05	0.2	ND ppm	0.1
Spinosad A	0.05	0.2	ND ppm	0.2
Abamectin B1a	0.15	0.45	ND ppm	0.5
Fludioxonil			ND ppm	0.4
Fluazinam	0.075	0.25	ND ppm	0.1
Chlorpyrifos	0.075	0.25	ND ppm	0.2
Bifenthrin	0.05	0.2	ND ppm	0.2
Diazinon	0.05	0.2	ND ppm	0.1
Malathion	0.05	0.2	ND ppm	0.1
Monocrotophos			ND ppm	0.1
Spiroxamine	0.05	0.15	ND ppm	0.1

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Pass
Pesticides

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