Green Analytics
• Maryland • Pennsylvania • Massachusetts •
• New Jersey • West Virginia • Virginia •

CERTIFICATE OF ANALYSIS

Green Analytics VA
10338 Stony Run Lane,
Ashland, VA 23005
540-682-3765
info_va@greenanalyticslabs.com

CUSTOMER INFORMATION

Customer: East Coast Collective
Sample Received On: 01/18/2022
Date COA Released: 01/21/2022

SAMPLE INFORMATION

Sample Name: Spark
Sample Description: Tincture
Sample ID: SAMPLE- 7286

CANNABINOID POTENCY

Date Tested: 01/18/2022
Operator: Shawn Manns

ANALYTE	Concentration (mg/g)	Concentration (%)
CBD	51.79	5.179
CBDA	ND	ND
delta9 THC	1.67	0.167
delta9 THCA	ND	ND
CBG	0.41	0.041
CBGA	ND	ND
CBC	1.00	0.100
CBCA	ND	ND
CBDV	0.21	0.021
CBDVA	ND	ND
THCV	ND	ND
THCVA	ND	ND
CBN	0.17	0.017
delta8 THC	ND	ND
Total CBD	51.79	5.179
Total THC	1.67	0.167

The sample was analyzed for cannabinoids following *SOP-VA-1149 Cannabinoid Potency.*

Total CBD = CBDA * 0.877 + CBD
Total delta-9 THC = THCA * 0.877 + delta-9 THC

Results are reported on a dry-weight basis:
Concentration = Concentration of Wet Samples / (1 - Moisture Concentration)

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TERPENE PROFILE — **Date Tested: 01/18/2022** **Operator:**

ANALYTE	Concentration (mg/g)	Concentration (%)
Caryophyllene Oxide	ND	ND
α-Pinene	0.84	0.08
Camphene	0.11	0.01
β-Pinene	0.55	0.06
Myrcene	0.96	0.10
α-Terpinene	0.08	0.01
Limonene	11.44	1.14
Ocimene	0.93	0.09
γ-Terpinene	0.08	0.01
Terpinolene	3.50	0.35
Linalool	1.43	0.14
Geraniol	ND	ND
Guaiol	ND	ND
α-Humulene	0.25	0.03
β-Caryophyllene	0.53	0.05
Δ3-Carene	ND	ND
Cineole/Eucalyptol	ND	ND
Nerolidol	ND	ND
Isopulegol	ND	ND
α-Bisabolol	0.15	0.01
p-Cymene	0.09	0.01

The sample was analyzed for terpenes using gas chromatography with mass spectrometric detection (GC-MS) following *SOP-VA-1539*.

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Sample ID: SAMPLE- 7286

PESTICIDES	Date Tested: 01/18/2022 Operator:
ANALYTE	**RESULTS (PPM)**
Abamectin	ND
Acephate	ND
Acetamiprid	ND
Acequinocyl	ND
Azoxystrobin	ND
Aldicarb	ND
Bifenazate	ND
Bifenthrin	ND
Boscalid	ND
Carbaryl	ND
Carbofuran	ND
Chlorantraniliprole	ND
Chlorfenapyr	ND
Chlorpyrifos	ND
Clofentezine	ND
Cyfluthrin	ND
Cypermethrin	ND
Daminozide	ND
Diazinon	ND
Dichlorvos	ND
Dimethoate	ND
Ethoprophos	ND
Etofenprox	ND
Etoxazole	ND
Fenpyroximate	ND
Fenoxycarb	ND
Fipronil	ND
Flonicamid	ND
Fludioxonil	ND
Hexythiazox	ND
Imazalil	ND

PESTICIDES	Date Tested: 01/18/2022 Operator:
ANALYTE	**RESULTS (PPM)**
Imidacloprid	ND
Kresoxim-methyl	ND
Malathion	ND
Metalaxyl	ND
Methyl Parathion	ND
Methomyl	ND
Methiocarb	ND
MGK-264	ND
Myclobutanil	ND
Naled	ND
Oxamyl	ND
Paclobutrazol	ND
Prallethrin	ND
Permethrin	ND
Phosmet	ND
Piperonyl butoxide	ND
Propiconazole	ND
Propoxur	ND
Pyrethrin	ND
Pyridaben	ND
Spinosad	ND
Spiromesifen	ND
Spirotetramat	ND
Spiroxamine	ND
Thiacloprid	ND
Thiamethoxam	ND
Tebuconazole	ND
Trifloxystrobin	ND

The sample was analyzed for pesticides using liquid chromatography with mass spectrometric detection (LC-MS/MS) following *SOP-VA-1581*.

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HEAVY METALS	**Date Tested: 01/18/2022** **Operator: Dan Blader**
ANALYTE	**RESULTS (PPM)**
Arsenic	ND
Cadmium	ND
Lead	ND
Mercury	ND

The sample was analyzed for heavy metals in inductively coupled plasma with mass spectrometry (ICP-MS) following *SOP-VA-1165*.

MYCOTOXINS	**Date Tested: 01/18/2022** **Operator:**
ANALYTE	**RESULTS (PPB)**
Ochratoxin A	ND
Aflatoxin B1	ND
Aflatoxin B2	ND
Aflatoxin G1	ND
Aflatoxin G2	ND

The sample was analyzed for mycotoxins using liquid chromatography with mass spectrometric detection (LC-MS/MS) following *SOP-VA-1581*.

RESIDUAL SOLVENTS		**Date Tested: 01/18/2022** **Operator:**
ANALYTE	**RESULTS (PPM)**	**RESULTS (%)**
Acetone	ND	0.00
Acetonitrile	ND	0.00
Benzene	ND	0.00
Chloroform	ND	0.00
Cyclohexane	ND	0.00
1,2-Dichloroethane	ND	0.00
Diethyl Ether	ND	0.00
Ethanol	ND	0.00
Ethyl acetate	ND	0.00
Methanol	ND	0.00
Methylene chloride	ND	0.00
n-Heptane	ND	0.00
n-Hexane	ND	0.00
n-Pentane	ND	0.00
2-Propanol (isopropanol)	ND	0.00
Toluene	ND	0.00
Total Xylene	ND	0.00
Trichloroethylene	ND	0.00

The sample was analyzed for residual solvents using gas chromatography with mass spectrometric detection (GC-MS) following *SOP-VA-1301*.

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MICROBIOLOGICAL IMPURITY	**Date Tested: 01/21/2022** **Operator: Sarah Earles**
Microbe	**CFU/g**
Total Aerobic Microbial Count(TAMC)	ND
Total Yeast and Mold Count(TYMC)	ND
Microbe	**CFU/g**
E. coli	Absent
Salmonella	Absent

The sample was analyzed for microbial contamination using either qPCR or Petrifilm that follow *SOP-701, 702, 703-GA* or *SOP-VA-1382.* Results are reported in CFU/gram.

ND = Not Detected, LOD = Limit of Detection, LOQ = Limit of Quantification, MRL=Minimum Reporting Limit
PPM = Parts per Million = mg/kg, PPB = Parts per Billion = ug/kg, CFU/g = Colony Forming Units per gram

Results below the LOQ are reported as ND.

Action limits are set according to Commonwealth of Virginia: 3VAC10-60-20.

Where statements of conformity are reported ('pass' vs 'fail'), the simple acceptance decision rule is applied. The measurement uncertainty associated with each test method may impact the certainty with which a statement of conformity is made. This is a simplified report; however, measurement uncertainty, limit of detection and quantification values, and minimum reporting limits are available upon request.

Testing results are based solely on the sample submitted to Green Analytics Virginia in the condition it was received. This product has been tested by Green Analytics Virginia using valid testing methodologies. Values reported relate only to the product tested. Values reported may be an average of multiple test results. Green Analytics Virginia makes no claims as to the efficacy, safety, or other risks with any detected or non-detected levels of any compound reported herein. This Certificate of Analysis shall not be reproduced except in full without the express written consent of Green Analytics Virginia.

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