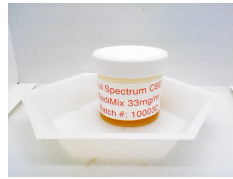




Certificate of Analysis

Jan 30,2021 | Candelay Industries

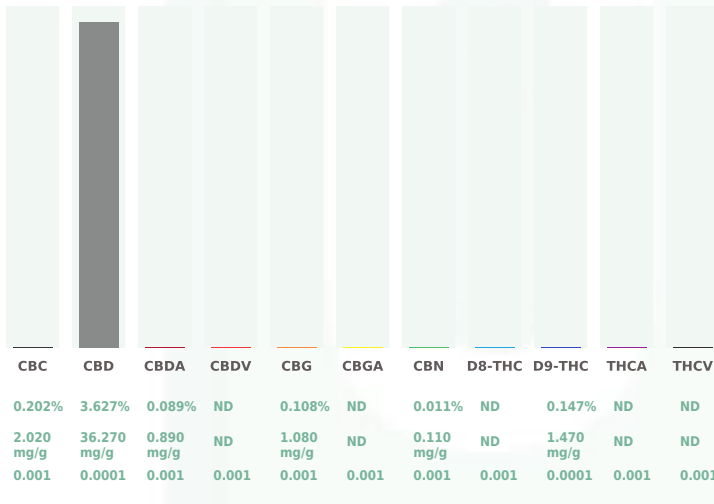
Rockland, DE,
(717) 449-1518



Full-Spectrum CBD RediMix 33mg/ml
Matrix: Derivative
Accession Number: 210122KA0009D
Harvest/Lot ID: 6J00520
Seed to Sale: \*
Batch Date: 01/22/21
Batch #: 100032
Sample Size Received: 1 units
Retail Product Size: 1 units
Ordered: 01/22/21
Completed: 01/30/21
Expires: 01/30/22
Sampling Method: SOP Client Method

Filth & Foreign Matter

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-28/T Stereo Microscope is use for inspection. SOP.KY.02.11



Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-PDA). (Method: SOP.KY.02.005) sample prep and Shimadzu High Sensitivity Method SOP.KY.02.012 for analysis. LOQ for all cannabinoids is 1 mg/L. % = %w/w = Percent (Weight of Analyte/Weight Product) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected. \*\*Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation Total THC = THC + (THCa\*0.877) Total CBD = CBD + (CBDa\*0.877)

Microbials

Table with 2 columns: Analyte and Result. Lists various fungi and bacteria like ASPERGILLUS\_FUMIGATUS, ASPERGILLUS\_FLAVUS, etc.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification.

Heavy Metals

Table with 6 columns: Metal, LLOQ, Result, Unit, Action Level (PPM). Lists Arsenic, Cadmium, Lead, Mercury.

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. \*Action Limits based on Colorado Regulations.

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David Greene
Lab Director
State License # 19-05-02P
ISO Accreditation #
17025:2017 #97164

Signature

01/30/21
Signed On



Certificate of Analysis

Candelay Industries

Rockland, DE,
Telephone: (717) 449-1518
Email: mhaiges@americanfiber.com



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Pesticides

Table with 10 columns: Pesticides, LLOQ, Result, Units, Action Level. Lists various pesticides like cis-permethrin, ABAMECTIN B1A, ACEQUINOCYL, etc.

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). \*\*

Mycotoxins

Table with 10 columns: Analyte, LLOQ, Result, Units, Action Level (PPM). Lists Aflatoxin B1, Aflatoxin G1, Ochratoxin A+, Aflatoxin B2, Aflatoxin G2.

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be 20g/Kg. Ochratoxins must be 20g/Kg

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# Certificate of Analysis

Candelay Industries

Rockland, DE,  
Telephone: (717) 449-1518  
Email: mhaiges@americanfiber.com



Full-Spectrum CBD RediMix 33mg/ml  
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Sampling Method: SOP Client Method

## Residual Solvents

Solvent	LLOQ	Result	Units	Action Level (PPM)	Pass/Fail
1,1-DICHLOROETHENE	2.0	ND	ppm	8	PASS
1,2-DICHLOROETHENE	0.24	ND	ppm	1870	PASS
2-PROPANOL	60.0	ND	ppm	5000	PASS
ACETONE	90.0	ND	ppm	5000	PASS
ACETONITRILE	7.2	ND	ppm	410	PASS
BUTANES (N-BUTANE)	50.0	ND	ppm	5000	PASS
CHLOROFORM	0.24	ND	ppm	60	PASS
DICHLOROMETHANE	15.0	ND	ppm	600	PASS
ETHANOL	120.0	156	ppm	5000	PASS
ETHYL ACETATE	48.0	ND	ppm	5000	PASS
ETHYL ETHER	60.0	ND	ppm	5000	PASS
ETHYLENE OXIDE	0.6	ND	ppm	50	PASS
HEPTANE	60.0	ND	ppm	5000	PASS
HEXANES	6.0	ND	ppm	290	PASS
METHANOL	30.0	ND	ppm	3000	PASS
PENTANES	90.0	ND	ppm	2500	PASS
PROPANE	80.0	ND	ppm	5000	PASS
TOLUENE	18.0	ND	ppm	1068	PASS
TRICHLOROETHENE	3.0	ND	ppm	80	PASS
XYLENES	18.0	ND	ppm	2170	PASS
XYLENES-M (1,3-DIMETHYLBENZENE)	18.0	ND	ppm	2170	PASS
XYLENES-O (1,2-DIMETHYLBENZENE)	18.0	ND	ppm	2170	PASS
XYLENES-P (1,4-DIMETHYLBENZENE)	18.0	ND	ppm	2170	PASS

## Terpenes

**TESTED**

Solvent	LLOQ	Units	Result	Result (%)
3-CARENE	0.005	%	ND	
ALPHA-BISABOLOL	0.005	%	0.012	
ALPHA-CEDRENE	0.005	%	ND	
ALPHA-HUMULENE	0.005	%	ND	
ALPHA-PHELLANDRENE	0.005	%	ND	
ALPHA-PINENE	0.005	%	ND	
ALPHA-TERPINENE	0.005	%	ND	
BETA-MYRCENE	0.005	%	ND	
BETA-PINENE	0.005	%	ND	
BORNEOL	0.005	%	ND	
CAMPHENE	0.005	%	ND	
CAMPHOR	0.005	%	ND	
CARYOPHYLLENE Oxide	0.005	%	ND	
CEDROL	0.005	%	ND	
CIS-NEROLIDOL	0.005	%	ND	
EUCALYPTOL	0.005	%	ND	
FENCHONE	0.005	%	ND	
FENCHYL ALCOHOL	0.005	%	ND	
GAMMA-TERPINENE	0.005	%	ND	
GERANIOL	0.005	%	ND	
GERANYL ACETATE	0.005	%	ND	
GUAIOL	0.005	%	ND	
HEXAHYDROTHYMOL	0.005	%	ND	
ISOBORNEOL	0.005	%	ND	
ISOPULEGOL	0.005	%	ND	
LIMONENE	0.005	%	ND	
LINALOOL	0.005	%	ND	
NEROL	0.005	%	ND	
OCIMENE	0.005	%	ND	
PULEGONE	0.005	%	ND	
SABINENE	0.005	%	ND	
SABINENE HYDRATE	0.005	%	ND	
TERPINEOL	0.005	%	ND	
TERPINOLENE	0.005	%	ND	
TRANS-NEROLIDOL	0.005	%	ND	
TRANSCARYOPHYLLENE	0.005	%	0.011	
VALENCENE	0.005	%	ND	

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