Universal Diagnostics 673 N. Bardstown Rd. Mount Washington, KY, 40047 (502) 444-2044 www.UD-Labs.com Lic # 19-05-02P



# Certificate of Analysis

CBD+

**CBD Turmeric Curcumin** 

Matrix: Edible

Accession Number: 041521UD0003

Harvest/Lot ID: 0224

Seed to Sale: \*

**Batch Date:** 04/13/21

Batch #: 021121

Sample Size Received: 1 units

Retail Product Size: 14

**Ordered:** 04/13/21

**Completed:** 04/21/21

**Expires:** 04/20/22

Sampling Method: SOP Client Method

Apr 21,2021 | Spire Wellness

Las Vegas, NV, 5032770479



#### **CANNABINOID RESULTS**

Total THC **0.000%** 

THC/Container :0 mg

**Total CBD** 

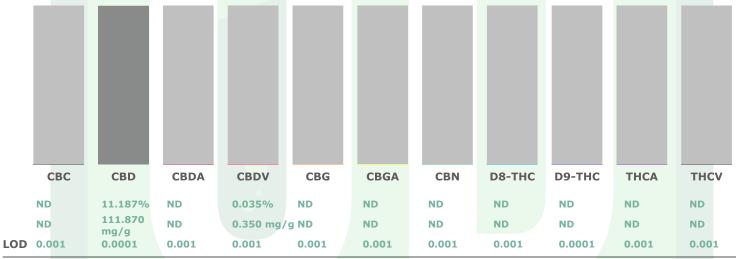
11.187%

CBD/Container :1566.18

**Total Cannabnoids** 

11.222%

Cannabinoids/Container:1571.08 mg



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)null

Filth & Foreign Matter

**PASSED** 

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection. SOP.KY.02.11

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**David Greene** 

Lab Director

State License # 19-05-02P ISO Accreditation # PJLA ISO17025 M Grz

04/21/21

Signature

Signed On

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# **Certificate of Analysis**

**Spire Wellness** 

Las Vegas, NV,

**Telephone**: 5032770479 **Email**: randy@spirewellness.com





**CBD Turmeric Curcumin** 

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Harvest/Lot ID: 0224

Seed to Sale: \*

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Sampling Method: SOP Client Method

## Pesticides PASSED

										AU	
Pesticides	LLOQ	Result	Units	Action Level	Pass / Fail	Pesticides	LLOQ	Result	Units	Action Level	Pass Fail
ETOFENPROX	0.01	ND	ppm	0.4	PASS	SPINOSAD (SPINOSYN A)	0.01	ND	ppm	0.2	PASS
CARBOFURAN	0.01	ND	ppm	0.2	PASS	PYRIDABEN	0.01	ND	ppm	0.2	PASS
CYPERMETHRIN	0.02	ND	ppm	1	PASS	FENHEXAMID	0.005	ND	ppm	0.1	PASS
DAMINOZIDE	0.02	ND	ppm	1	PASS	DICHLORVOS	0.05	ND	ppm	0.1	PASS
PACLOBUTRAZOL	0.01	ND	ppm	0.4	PASS	NALED	0.01	ND	ppm	0.5	PASS
MALATHION	0.01	ND	ppm	0.2	PASS	PERMETHRINS (sum)	0.05	ND	ppm	1	PASS
ENOXYCARB	0.01	ND	ppm	0.2	PASS	- trans-permethrin	0.0118	ND	ppm	0.4	PASS
BIFENTHRIN	0.01	ND	ppm	0.2	PASS	BOSCALID	0.01	ND	ppm	0.4	PASS
CHLORANTRANILIPROLE	0.01	ND	ppm	0.2	PASS	DIMETHOATE	0.01	ND	ppm	0.2	PASS
SPINOSAD (SPINOSYN D)	0.01	ND	ppm	0.2	PASS	FIPRONIL	0.02	ND	ppm	0.4	PASS
DIAZANON	0.01	ND	ppm	0.2	PASS	ABAMECTIN B1A	0.02	ND	ppm	0.5	PASS
SPINETORAM	0.01	ND	ppm	0.5	PASS	- cis-permethrin	0.0041	ND	ppm	0.4	PASS
CHLORPYRIFOS	0.01	ND	ppm	0.2	PASS	THIACLOPRID	0.01	ND	ppm	0.2	PASS
PIROTETRAMAT	0.02	ND	ppm	0.2	PASS	SPIROXAMINE	0.01	ND	ppm	0.2	PASS
ACEPHATE	0.01	ND	ppm	0.4	PASS	ETHOPROPHOS	0.01	ND	ppm	0.2	PASS
METALAXYL	0.01	ND	ppm	0.2	PASS	MEVINPHOS	0.01	ND	ppm	0.1	PASS
MYCLOBUTANIL	0.01	ND	ppm	0.2	PASS	SPIROMESIFEN	0.01	ND	ppm	0.2	PASS
METHOMYL	0.01	ND	ppm	0.4	PASS	PRALLETHRIN	0.05	ND	ppm	0.2	PASS
(RESOXIM-METHYL	0.01	ND	ppm	0.4	PASS	PYRETHRIN I	0.01	ND	ppm	1	PASS
ACETAMIPRID	0.01	ND	ppm	0.2	PASS	THIAMETHOXAM	0.01	ND	ppm	0.2	PASS
DXAMYL	0.01	ND	ppm	1	PASS	Trifloxystrobin	0.01	ND	ppm	0.2	PASS
HEXYTHIAZOX	0.01	ND	ppm	1	PASS	CLOFENTEZINE	0.01	ND	ppm	0.2	PASS
TEBUCONAZOLE	0.01	ND	ppm	0.4	PASS	FENPYROXIMATE	0.01	ND	ppm	0.4	PASS
MAZALIL	0.01	ND	ppm	0.2	PASS	BIFENAZATE	0.01	ND	ppm	0.2	PASS
DIMETHOMORPH	0.005	ND	ppm	0.1	PASS	ETOXAZOLE	0.01	ND	ppm	0.2	PASS
MIDACLOPRID	0.01	ND	ppm	0.4	PASS	ACEQUINOCYL	0.05	ND	ppm	2	PASS
PROPOXUR	0.01	ND	ppm	0.2	PASS	PIPERONYL BUTOXIDE	0.01	ND	ppm	2	PASS
CARBARYL	0.01	ND	ppm	0.2	PASS	FLUDIOXONIL	0.01	ND	ppm	0.4	PASS
PROPICONAZOLE	0.01	ND	ppm	0.4	PASS	PHOSMET	0.01	ND	ppm	0.2	PASS
LONICAMID	0.01	ND	ppm	1	PASS	ALDICARB	0.02	ND	ppm	0.4	PASS
METHIOCARB	0.01	ND	ppm	0.2	PASS	COUMAPHOS	0.01	ND	ppm	0.2	PASS
AZOXYSTROBIN	0.01	ND	ppm	0.2	PASS						

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 PASSE	D
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Analyte	LLOQ	Result	Units	Action Level	Pass / Fail	Analyte	LLOQ	Result	Units	Action Level	Pass / Fail
Aflatoxin G1	0.001	ND	ppm	0.2	PASS	Aflatoxin G2	0.001	ND	ppm	0.2	PASS
Aflatoxin B2	0.001	ND	ppm	0.2	PASS	Aflatoxin B1	0.001	ND	ppm	0.2	PASS
Ocratoxin A+	0.001	ND	ppm	0.2	PASS						

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 (Aflotoxin B1, B2, G1, G2) must be 20g/Kg. Ochratoxins must be 20g/Kg

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**David Greene** 

Lab Director

State License # 19-05-02P ISO Accreditation # PJLA ISO17025 Ind Corra

04/21/21

Signature

Signed On

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DIAGNOSTICS Mount Washington, KY, 40047

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# **Certificate of Analysis**

**Spire Wellness** 

Las Vegas, NV,

**Telephone**: 5032770479

**Email**: randy@spirewellness.com





**CBD Turmeric Curcumin** 

Matrix: Edible

Accession Number: 041521UD0003

Harvest/Lot ID: 0224

Seed to Sale: \*

Batch Date: 04/13/21

Batch #: 021121

Sample Size Received: 1 units

Retail Product Size: 14

**Ordered:** 04/13/21

**Completed:** 04/21/21 **Expires:** 04/20/22

Sampling Method: SOP Client Method

Residual	PASSED
Solvents	PASSED

3014	CIICS						
Solvent		LLOQ	Result	Units	5	Action Level (PPM)	Pass/Fail
Butane		200	ND	ppm		5000	PASS
O-Xylene		40	ND	ppm		2170	PASS
Methanol		40	ND	ppm		3000	PASS
M/P-Xylene		80	ND	ppm		2170	PASS
Toluene		40	ND	ppm		890	PASS
Acetone		60	ND	ppm		5000	PASS
Ethyl Ether		40	ND	ppm		5000	PASS
Propane		400	ND	ppm		5000	PASS
Ethyl Acetate	9	60	151	ppm		5000	PASS
Isobutane		200	ND	ppm		5000	PASS
Ethanol		80	ND	ppm		5000	PASS
Heptane		40	100	ppm		5000	PASS
Pentane		60	ND	ppm		5000	PASS
Acetonitrile		60	ND	ppm		410	PASS
Hexane		40	ND	ppm		290	PASS
2-Propanol		60.0	60	ppm		5000	PASS
Total Xylene	s	120	ND	ppm		2170	PASS

Metal	LLOQ	Result	Unit Action		Pass /	
				Level	Fail	
Cadmium	0.2	ND	ppm	0.5	PASS	
Lead	0.2	ND	ppm	1	PASS	
Arsenic	0.2	ND	ppm	1.5	PASS	
Mercury	0.2	ND	ppm	3	PASS	

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.3.0.052 Sample Preparation for Heavy Metals Analysis via ICP-MS andSOP.T.40.050 Heavy Metals Analysis via ICP-MS. \*Action Limits based on Colorado Regulations.

#### **Microbials**

### **PASSED**

#### **Analyte**

ASPERGILLUS\_FUMIGATUS.

ASPERGILLUS\_FLAVUS.

ESCHERICHIA\_COLI\_SHIGELLA\_SPP .

ASPERGILLUS\_NIGER .

SALMONELLA\_SPECIFIC\_GENE.

ASPERGILLUS\_TERREUS\_1J2.

Result

not present in 1 gram.

not present in 1 gram.

not present in 1 gram. not present in 1 gram.

not present in 1 gram.
not present in 1 gram.

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. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus flumigatus, Aspergillus flavus, Aspe

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**David Greene** 

Lab Director

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