

Sample Result: PASS

Date Reported:	11/8/2023	Sample ID:	20231103-CRLN-015
Client Name:	CuraLeaf NY	Sample Name:	CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1 THC. 7g 1400mg
Contact Name:	David Russo	Sample Matrix:	Flower
Contact Email:	David.russo@curaleaf.com	Sample Sub Type:	Flower
License Number:	MM1001M	Package Id:	17814
Medical/Adult Use:	Medical	Batch Lot Id:	P-AUGRWF702023-844A/ETS
Sampling Date:	11/03/2023 09:30:00	Batch Size:	1192
		Serving Size (g):	7

Potency	T	Pesticides	P	Heavy Metals	P	Mycotoxins	P
Water Activity	P	Microbiological	P	Residual Solvents	-	Terpenes	P
		Moisture	P	Filth & Foreign Material	P		

"-" = Not Tested; "T" = Tested; "P" = Pass; "F" = Fail

Cannabinoids: CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1 THC. 7g 1400mg (20231103-CRLN-015)

Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA)

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.041
CBDA	< MRL	< MRL	0.041
CBGA	0.481	33.639	0.041
CBG	0.180	12.621	0.041
CBD	< MRL	< MRL	0.041
THCV	< MRL	< MRL	0.041
CBN	< MRL	< MRL	0.041
D9-THC	2.065	144.574	0.041
D8-THC	< MRL	< MRL	0.041
D10-THC-S	< MRL	< MRL	0.041
D10-THC-R	< MRL	< MRL	0.041
CBC	< MRL	< MRL	0.041
THCA	22.600	1581.999	0.041

MRL = Minimum reporting limit/limit of quantification
 Reported on a dry-weight basis

Test ID: #27208 | Date Tested: 11/06/2023 07:00 PM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta 8$ -THC + $\Delta 9$ -THC + $\Delta 10$ -THC + (THCA * 0.877)]	21.886	1531.988
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	25.326	1772.833

Label Claims	Expected Label Claims	Actual Results
Total THC (mg/serving)	1400.00	1531.988



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 License #: OCMPPCL-2022-00013
 ISO 17025 Certificate No.: 4356.09

Terpenes: CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1 THC. 7g 1400mg (20231103-CRLN-015)

Terpenes analysis utilizing GC-MS (GC-MS: SOP-063-GA, SOP-069-GA)

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.05
Camphene	< MRL	0.05
beta-Pinene	< MRL	0.05
beta-Myrcene	1.02	0.05
Carene	< MRL	0.05
alpha-Terpinene	< MRL	0.05
p-Cymene	< MRL	0.05
Limonene	0.33	0.05
Eucalyptol	< MRL	0.05
Ocimene	< MRL	0.05
gamma-Terpinene	< MRL	0.05
Terpinolene	< MRL	0.05
Linalool	0.14	0.05
Isopulegol	< MRL	0.05
Geraniol	< MRL	0.05
Beta-Caryophyllene	0.24	0.05
alpha-Humulene	0.07	0.05
cis-Nerolidol	< MRL	0.05
trans-Nerolidol	< MRL	0.05
Caryophyllene oxide	< MRL	0.05
Guaiol	< MRL	0.05
alpha-Bisabolol	0.10	0.05

MRL = Minimum reporting limit/limit of quantification

Test ID: #27209 | Date Tested: 11/07/2023 09:30 AM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	1.91	10	PASS

Pesticides: CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1 THC. 7g 1400mg (20231103-CRLN-015)

Pass

Pesticides analysis was conducted by sub-contracting with an ISO 17025 OCM approved laboratory. See appended COA.

MRL = Minimum reporting limit/limit of quantification

Test ID: #27210

Mycotoxins: CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1 THC. 7g 1400mg (20231103-CRLN-015)

Pass

Mycotoxins analysis was conducted by sub-contracting with an ISO 17025 OCM approved laboratory. See appended COA.

MRL = Minimum reporting limit/limit of quantification

Test ID: #27211



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Heavy Metals: CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1 THC. 7g 1400mg (20231103-CRLN-015) PASS				
Heavy Metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS: SOP-061-NY, SOP-072-GA)				
Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)
Antimony	PASS	< MRL	2.0	1.00
Arsenic	PASS	< MRL	0.2	0.10
Cadmium	PASS	< MRL	0.3	0.10
Chromium	PASS	< MRL	110.0	8.00
Copper	PASS	< MRL	30.0	8.00
Lead	PASS	< MRL	0.5	0.20
Mercury	PASS	< MRL	0.1	0.05
Nickel	PASS	< MRL	2.0	1.00
MRL = Minimum reporting limit/limit of quantification			Test ID: #27212 Date Tested: 11/06/2023 07:51 PM	

Microbiological Screen: CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1 THC. 7g 1400mg (20231103-CRLN-015) PASS				
Microbial analysis utilizing quantitative Polymerase Chain Reaction and microbial enumeration (qPCR; SOP-700-NY, SOP-701-NY)				
Analyte	Results (CFU/g)	Limit (CFU/g)	Pass/Fail	
Total Aerobic Bacteria	550	100000	PASS	
Total Yeast & Mold	6200	10000	PASS	
Salmonella spp	Absent	Presence	PASS	
Shiga toxin-producing E. coli	Absent	Presence	PASS	
Aspergillus (fumigatus, flavus, niger, terreus)	Absent	Presence	PASS	
MRL = Minimum reporting limit/limit of quantification			Test ID: #27213 Date Tested: 11/06/2023 07:39 PM	

Moisture: CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1 THC. 7g 1400mg (20231103-CRLN-015) PASS				
Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)				
Analyte	Pass/Fail	Result (%)	Limit (%)	
Moisture	PASS	9.4	15	
MRL = Minimum reporting limit/limit of quantification			Test ID: #27214 Date Tested: 11/06/2023 10:19 AM	

Water Activity: CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1 THC. 7g 1400mg (20231103-CRLN-015) PASS				
Water activity analysis utilizing a chilled mirror dew point sensor (SOP-059-GA)				
Analyte	Pass/Fail	Result (a _w)	Limit (a _w)	
Water Activity	PASS	0.50	0.65	
MRL = Minimum reporting limit/limit of quantification			Test ID: #27215 Date Tested: 11/06/2023 10:19 AM	



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**Filth and Foreign Material: CUR. GROUND FLOWER. (S) GCF. Grassroots, 20-1
 THC. 7g 1400mg (20231103-CRLN-015) PASS**

Filth and Foreign Material analysis utilizing microscopy (SOP-057-NY)

Analyte	Results	Limit	Pass/Fail
Foreign Material (other, % m/m)	ND	2	PASS
Foreign Material (stems, % m/m)	ND	5	PASS
Mammalian Excreta (mg/lb)	ND	1	PASS

ND = Not Detected

Test ID: #27216 | Date Tested: 11/06/2023 10:24 AM



Ellen Parkin
 Lab Director
 11/8/2023





50A Rose Pl, Garden City Park, NY 11040
Permit # NYS OCM CPL-2022-00003

Certificate of Analysis

Accession: 25026	Organization: Green Analytics	Collection Date: 11/4/2023 3:40 PM	CB
External No: 2311TLN0112.0381		Received Date: 11/4/2023 3:40 PM	CB
Work Order: 2311TLN0112		Reported Date: 11/7/2023 5:26 PM	
Work Order Code: 2311TLN0112		Report Status: FINAL	
License Designation: Medical	Category: Plant	Type: Flower - Cured	
Strain Name: N/A	Sample Name: 20231103-PEST-040	Lot ID: N/A	

Mycotoxin Testing

Mycotoxins Run by SD on 11/5/2023 5:59:02 PM at Location: TALON

Method ID: TA-100

Samples are pooled as needed for testing. For these tests, only one result is reported to represent all samples received.

Test	ng/g	Status	Limit	LOQ (ng/g)
Aflatoxin Total	<LOQ	PASS	<20.0	2.5
Ochratoxin A	<LOQ	PASS	<20.0	2.5

Pesticide Testing

Pesticides Run by LMD on 11/7/2023 3:14:24 PM at Location: TALON

Method ID: TA-069 & TA-070

Test	ppb	Status	Limit	LOQ (ppb)
Acephate	<LOQ	PASS	<400.0	100.0
Captan	<LOQ	PASS	<1000.0	100.0
Acequinocyl	<LOQ	PASS	<2000.0	100.0
Chlordane	<LOQ	PASS	<1000.0	100.0
Acetamiprid	<LOQ	PASS	<200.0	100.0
Chlorfenapyr	<LOQ	PASS	<1000.0	100.0
Aldicarb	<LOQ	PASS	<400.0	100.0
Methyl parathion	<LOQ	PASS	<200.0	100.0
Abamectin	<LOQ	PASS	<500.0	400.0
Pentachloronitrobenzene	<LOQ	PASS	<1000.0	100.0
Azadirachtin	<LOQ	PASS	<1000.0	500.0
Azoxystrobin	<LOQ	PASS	<200.0	100.0
Bifenazate	<LOQ	PASS	<200.0	100.0
Bifenthrin	<LOQ	PASS	<200.0	100.0
Boscalid	<LOQ	PASS	<400.0	200.0
Carbaryl	<LOQ	PASS	<200.0	100.0
Carbofuran	<LOQ	PASS	<200.0	100.0
Chlorantraniliprole	<LOQ	PASS	<200.0	100.0
Chloromequat chloride	<LOQ	PASS	<1000.0	100.0
Chlorpyrifos	<LOQ	PASS	<200.0	100.0
Clofentezine	<LOQ	PASS	<200.0	100.0
Coumaphos	<LOQ	PASS	<1000.0	100.0
Cyfluthrin	<LOQ	PASS	<1000.0	510.0
Daminozide	<LOQ	PASS	<1000.0	100.0
Diazinon	<LOQ	PASS	<200.0	100.0
Dichlorvos (DDVP)	<LOQ	PASS	<1000.0	200.0
Dimethomorph	<LOQ	PASS	<1000.0	110.0
Dimethoate	<LOQ	PASS	<200.0	100.0
Ethoprophos	<LOQ	PASS	<200.0	100.0
Etofenprox	<LOQ	PASS	<400.0	100.0
Etoazole	<LOQ	PASS	<200.0	100.0



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Certificate of Analysis

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External No: 2311TLN0112.0381		Received Date: 11/4/2023 3:40 PM	CB
Work Order: 2311TLN0112		Reported Date: 11/7/2023 5:26 PM	
Work Order Code: 2311TLN0112		Report Status: FINAL	
License Designation Medical	Category Plant	Type Flower - Cured	
Strain Name N/A	Sample Name 20231103-PEST-040	Lot ID N/A	

Pesticide Testing

Test	ppb	Status	Limit	LOQ (ppb)
Fenhexamid	<LOQ	PASS	<1000.0	100.0
Fenoxycarb	<LOQ	PASS	<200.0	100.0
Fenpyroximate	<LOQ	PASS	<400.0	100.0
Fipronil	<LOQ	PASS	<400.0	200.0
Flonicamid	<LOQ	PASS	<1000.0	100.0
Fludioxonil	<LOQ	PASS	<400.0	100.0
Hexythiazox	<LOQ	PASS	<1000.0	100.0
Imazalil	<LOQ	PASS	<200.0	100.0
Imidacloprid	<LOQ	PASS	<400.0	100.0
Indole-3-butyric acid	<LOQ	PASS	<1000.0	500.0
Kresoxim methyl	<LOQ	PASS	<400.0	200.0
Malathion	<LOQ	PASS	<200.0	100.0
Metalaxyl	<LOQ	PASS	<200.0	100.0
Methiocarb	<LOQ	PASS	<200.0	100.0
Methomyl	<LOQ	PASS	<400.0	100.0
Mevinphos	<LOQ	PASS	<1000.0	100.0
MGK-264	<LOQ	PASS	<200.0	100.0
Myclobutanil	<LOQ	PASS	<200.0	200.0
Naled	<LOQ	PASS	<500.0	100.0
Oxamyl	<LOQ	PASS	<1000.0	100.0
Paclobutrazol	<LOQ	PASS	<400.0	100.0
Permethrins	<LOQ	PASS	<200.0	100.0
Phosmet	<LOQ	PASS	<200.0	100.0
Piperonyl butoxide	<LOQ	PASS	<2000.0	100.0
Prallethrin	<LOQ	PASS	<200.0	100.0
Propiconazole	<LOQ	PASS	<400.0	100.0
Propoxur	<LOQ	PASS	<200.0	100.0
Pyrethrins Total	<LOQ	PASS	<1000.0	90.0
Pyridaben	<LOQ	PASS	<200.0	100.0
Spinetoram Total	<LOQ	PASS	<1000.0	60.0
Spinosyn Total	<LOQ	PASS	<200.0	70.0
Spiromesifen	<LOQ	PASS	<200.0	100.0
Spirotetramat	<LOQ	PASS	<200.0	100.0
Spiroxamine	<LOQ	PASS	<200.0	100.0
Tebuconazole	<LOQ	PASS	<400.0	100.0
Thiacloprid	<LOQ	PASS	<200.0	100.0
Thiamethoxam	<LOQ	PASS	<200.0	100.0
Trifloxystrobin	<LOQ	PASS	<200.0	100.0

Run by LMD on 11/7/2023 3:55:48 PM at Location: TALON

Notes: Refer to full COA for collection details.



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Permit # NYS OCM CPL-2022-00003

Certificate of Analysis

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External No: 2311TLN0112.0381		Received Date: 11/4/2023 3:40 PM	CB
Work Order: 2311TLN0112		Reported Date: 11/7/2023 5:26 PM	
Work Order Code: 2311TLN0112		Report Status: FINAL	
License Designation: Medical	Category: Plant	Type: Flower - Cured	
Strain Name: N/A	Sample Name: 20231103-PEST-040	Lot ID: N/A	

Reviewed By: _____

Vitrano Stocker, Brynn

Panel Name: Mycotoxins	Approved: 11/6/2023 3:25 PM
Panel Name: Pesticides	Approved: 11/7/2023 4:37 PM
Panel Name: Pesticides~GC	Approved: 11/7/2023 5:25 PM

Disclaimers:

- 1: Testing was performed in conformance with NYS OCM & ISO 17025:2017 regulations and standards.
- 2: The results in this report relate only to the sample as received.
- 3: This certificate of analysis shall not be reproduced, except in full, without the written consent of the laboratory.

Definitions:

LOQ - Limit of Quantitation; minimum concentration that can be quantitatively reported.
Limit - Refers to the regulatory limit set forth by NYS OCM.

Laboratory Contact Information
E-mail: info@talonanalytical.com
Phone: (888) 201-0957
ISO 17025:2017 Cert. 5722.1 (Biological) 5722.2 (Chemical)