



CBD Water-Soluble Nano Flake

Sample ID: 2201CRG0146.0379
Strain: -
Matrix: Concentrates & Extracts
Type: Cannabinoid Isolate
Sample Size: 1 units; Batch:

Produced:
Collected:
Received: 01/27/2022
Completed: 02/04/2022
Batch#: 2027201AAF81

Client
Rising Sun Exports
Lic. #
2777 Yulupa Ave.
Santa Rosa, CA 95405



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	01/28/2022	Pass
Residual Solvents	01/28/2022	Pass
Microbials	02/01/2022	Pass
Mycotoxins	01/31/2022	Pass
Pesticides	01/31/2022	Pass
Heavy Metals	01/31/2022	Pass
Foreign Matter	01/31/2022	Pass

Cannabinoids

Pass

ND <i>ND</i> Total THC	23.314% <i>233.14 mg/g</i> Total CBD	23.314% <i>233.137 mg/g</i> Total Cannabinoids	23.314% <i>233.137 mg/g</i> Total Unconverted Cannabinoids
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Analyte	LOD	LOQ	Results	Results
	mg/g	mg/g	%	mg/g
THCa	0.26	0.38	ND	ND
Δ9-THC	0.25	0.38	ND	ND
Δ8-THC	0.26	0.38	ND	ND
THCV	0.33	0.38	ND	ND
CBDa	0.31	0.38	ND	ND
CBD	0.19	0.38	23.314	233.14
CBDV	0.33	0.38	ND	ND
CBN	0.10	0.38	ND	ND
CBGa	0.32	0.38	ND	ND
CBG	0.22	0.38	ND	ND
CBC	0.32	0.38	ND	ND
Total			23.314	233.14

Notes:
Method: HPLC SOP-420
Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD
LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

NT <i>Not Tested</i> Moisture Content	NT <i>Not Tested</i> Water Activity	Pass Foreign Matter
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Seth Dixon

Seth Dixon, Ph.D.
Lab Director
02/04/2022

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Methods: Foreign Matter Analysis Microscopy SOP-421; Moisture Content MOC63u SOP-422; Water Activity Rotronics Water Activity Probe SOP-428. This product has been tested by California Ag Labs using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Values reported relate only to the product tested. California Ag Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of California Ag Labs.



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Pesticides

Pass

Analyte	LOD	LOQ	Limit	Results	Status	Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.004	0.031	0.100	ND	Pass	Fludioxonil	0.004	0.031	0.100	ND	Pass
Acephate	0.008	0.031	0.100	ND	Pass	Hexythiazox	0.004	0.031	0.100	ND	Pass
Acequinocyl	0.007	0.031	0.100	ND	Pass	Imazalil	0.010	0.031	0.010	ND	Pass
Acetamiprid	0.004	0.031	0.100	ND	Pass	Imidacloprid	0.005	0.031	5.000	ND	Pass
Aldicarb	0.010	0.031	0.010	ND	Pass	Kresoxim Methyl	0.007	0.031	0.100	ND	Pass
Azoxystrobin	0.006	0.031	0.100	ND	Pass	Malathion	0.009	0.031	0.500	ND	Pass
Bifenazate	0.005	0.031	0.100	ND	Pass	Metaxalyl	0.004	0.031	2.000	ND	Pass
Bifenthrin	0.007	0.031	3.000	ND	Pass	Methiocarb	0.010	0.031	0.010	ND	Pass
Boscalid	0.006	0.031	0.100	ND	Pass	Methomyl	0.006	0.031	1.000	ND	Pass
Captan	0.051	0.063	0.700	ND	Pass	Mevinphos	0.015	0.031	0.015	ND	Pass
Carbaryl	0.003	0.031	0.500	ND	Pass	Myclobutanil	0.007	0.031	0.100	ND	Pass
Carbofuran	0.010	0.031	0.010	ND	Pass	Naled	0.004	0.031	0.100	ND	Pass
Chlorantraniliprole	0.006	0.031	10.000	ND	Pass	Oxamyl	0.004	0.031	0.500	ND	Pass
Chlordane	0.030	0.063	0.030	ND	Pass	Paclbutrazol	0.010	0.031	0.010	ND	Pass
Chlorfenapyr	0.030	0.063	0.030	ND	Pass	Parathion Methyl	0.030	0.063	0.030	ND	Pass
Chlorpyrifos	0.010	0.031	0.010	ND	Pass	Pentachloronitrobenzene	0.025	0.063	0.100	ND	Pass
Clofentezine	0.013	0.031	0.100	ND	Pass	Permethrin	0.012	0.031	0.500	ND	Pass
Coumaphos	0.010	0.031	0.010	ND	Pass	Phosmet	0.006	0.031	0.100	ND	Pass
Cyfluthrin	0.039	0.063	2.000	ND	Pass	Piperonyl Butoxide	0.005	0.031	3.000	ND	Pass
Cypermethrin	0.036	0.063	1.000	ND	Pass	Prallethrin	0.008	0.031	0.100	ND	Pass
Daminozide	0.030	0.063	0.030	ND	Pass	Propiconazole	0.006	0.031	0.100	ND	Pass
Diazinon	0.004	0.031	0.100	ND	Pass	Propoxur	0.010	0.031	0.010	ND	Pass
Dichlorvos	0.010	0.031	0.010	ND	Pass	Pyrethrins	0.006	0.031	0.500	ND	Pass
Dimethoate	0.010	0.031	0.010	ND	Pass	Pyridaben	0.004	0.031	0.100	ND	Pass
Dimethomorph	0.012	0.031	2.000	ND	Pass	Spinetoram	0.017	0.031	0.100	ND	Pass
Ethoprophos	0.010	0.031	0.010	ND	Pass	Spinosad	0.017	0.031	0.100	ND	Pass
Etofenprox	0.010	0.031	0.010	ND	Pass	Spiromesifen	0.007	0.031	0.100	ND	Pass
Etoxazole	0.003	0.031	0.100	ND	Pass	Spirotetramat	0.005	0.031	0.100	ND	Pass
Fenhexamid	0.012	0.031	0.100	ND	Pass	Spiroxamine	0.010	0.031	0.010	ND	Pass
Fenoxycarb	0.010	0.031	0.010	ND	Pass	Tebuconazole	0.006	0.031	0.100	ND	Pass
Fenpyroximate	0.003	0.031	0.100	ND	Pass	Thiacloprid	0.010	0.031	0.010	ND	Pass
Fipronil	0.010	0.031	0.010	ND	Pass	Thiamethoxam	0.006	0.031	5.000	ND	Pass
Flonicamid	0.008	0.031	0.100	ND	Pass	Trifloxystrobin	0.002	0.031	0.100	ND	Pass

Date Tested: 01/31/2022

Method: LC-MS/MS& GC-MS/MS SOP-426. LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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Microbials

Pass

Analyte

Results

Status

Analyte	Results	Status
Shiga toxin-producing E. Coli	Not Detected in 1g	Pass
Salmonella SPP	Not Detected in 1g	Pass
Aspergillus flavus	Not Detected in 1g	Pass
Aspergillus fumigatus	Not Detected in 1g	Pass
Aspergillus niger	Not Detected in 1g	Pass
Aspergillus terreus	Not Detected in 1g	Pass

Date Tested: 02/01/2022

Method: qPCR SOP-424. TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

Mycotoxins

Pass

Analyte

LOD

LOQ

Limit

Results

Status

Analyte	LOD µg/kg	LOQ µg/kg	Limit µg/kg	Results µg/kg	Status
B1	4.96	5		ND	Tested
B2	3.56	5		ND	Tested
G1	4.92	5		ND	Tested
G2	4.02	5		ND	Tested
Total Aflatoxins	4.96	5	20	ND	Pass
Ochratoxin A	4.95	5	20	ND	Pass

Date Tested: 01/31/2022

Method: LC-MS/MS SOP-425. LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

Heavy Metals

Pass

Analyte

LOD

LOQ

Limit

Results

Status

Analyte	LOD µg/g	LOQ µg/g	Limit µg/g	Results µg/g	Status
Arsenic	0.0637	0.0976565	0.2	ND	Pass
Cadmium	0.06455	0.0976565	0.2	ND	Pass
Lead	0.07025	0.0976565	0.5	ND	Pass
Mercury	0.0756	0.0976565	0.1	ND	Pass

Date Tested: 01/31/2022

Method: ICP-MS SOP-423. LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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Residual Solvents

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.225	0.469	1	ND	Pass
Acetone	12.462	46.873	5000	ND	Pass
Acetonitrile	16.464	46.873	410	ND	Pass
Benzene	0.239	0.469	1	ND	Pass
Butane	16.937	46.873	5000	ND	Pass
Chloroform	0.247	0.469	1	ND	Pass
Ethanol	13.762	46.873	5000	ND	Pass
Ethyl-Acetate	12.547	46.873	5000	ND	Pass
Ethyl-Ether	28.899	46.873	5000	ND	Pass
Ethylene Oxide	0.225	0.469	1	ND	Pass
Heptane	11.723	46.873	5000	ND	Pass
Isopropanol	12.209	46.873	5000	ND	Pass
Methanol	22.99	46.873	3000	ND	Pass
Methylene-Chloride	0.258	0.469	1	ND	Pass
n-Hexane	29.171	46.873	290	ND	Pass
Pentane	15.568	46.873	5000	ND	Pass
Propane	17.861	46.873	5000	ND	Pass
Toluene	29.384	46.873	890	ND	Pass
Trichloroethene	0.274	0.469	1	ND	Pass
Xylenes	27.174	46.873	2170	ND	Pass

Date Tested: 01/28/2022

Method: HS-GCMS SOP-429. LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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