RADE Analytics

Full Panel Certificate of Analysis

Sample Information		Laboratory Information	
Sample ID:	GC-FULL-2024-001	Lab ID:	RADE-2024-0893
Strain:	Green Crack	Analyst:	Dr. Sarah Chen
Product Type:	Flower	Analysis Date:	2024-10-07
Client:	Premium Cannabis Co.	Report Date:	2024-10-08
Batch:	GC-BATCH-240928	Methods:	HPLC-UV, GC-MS, ICP-MS
Sample Weight:	5.0g	Overall Status:	PASS
Moisture Content:	8.2%	Water Activity:	0.52 aw

Cannabinoid Potency Analysis

Analyte	Result (%)	Result (mg/g)	LOQ	Status
Δ9-THC	26.84	268.4	0.01	DETECTED
THCA	2.15	21.5	0.01	DETECTED
Total THC*	28.73	287.3	-	DETECTED
CBD	0.42	4.2	0.01	DETECTED
CBDA	0.08	0.8	0.01	DETECTED
Total CBD*	0.49	4.9	-	DETECTED
CBG	1.23	12.3	0.01	DETECTED
CBGA	0.67	6.7	0.01	DETECTED
CBN	0.31	3.1	0.01	DETECTED
CBC	0.18	1.8	0.01	DETECTED
CBDV	0.05	0.5	0.01	DETECTED
THCV	0.12	1.2	0.01	DETECTED
Total Cannabinoids	**31.73**	**317.3**	**-**	**PASS**

Pesticide Analysis

Analyte	Result (ppm)	LOQ (ppm)	Limit (ppm)	Status
Abamectin	ND	0.01	0.1	PASS
Acephate	ND	0.01	0.1	PASS
Acequinocyl	ND	0.01	0.1	PASS

Acetamiprid	ND	0.01	0.1	PASS
Azoxystrobin	ND	0.01	0.1	PASS
Bifenazate	ND	0.01	0.1	PASS
Bifenthrin	ND	0.01	3.0	PASS
Boscalid	ND	0.01	0.1	PASS
Carbaryl	ND	0.01	0.5	PASS
Carbofuran	ND	0.01	0.1	PASS
Chlorantraniliprole	ND	0.01	10.0	PASS
Clofentezine	ND	0.01	0.1	PASS
Cypermethrin	ND	0.01	0.1	PASS
Daminozide	ND	0.01	0.1	PASS
DDVP (Dichlorvos)	ND	0.01	0.1	PASS
Dimethoate	ND	0.01	0.1	PASS
Ethoprophos	ND	0.01	0.1	PASS
Etofenprox	ND	0.01	0.1	PASS
Etoxazole	ND	0.01	0.1	PASS
Fenhexamid	ND	0.01	0.1	PASS
Fenoxycarb	ND	0.01	0.1	PASS
Fenpyroximate	ND	0.01	0.1	PASS
Fipronil	ND	0.01	0.1	PASS
Flonicamid	ND	0.01	0.1	PASS
Fludioxonil	ND	0.01	0.1	PASS
Hexythiazox	ND	0.01	0.1	PASS
Imazalil	ND	0.01	0.1	PASS
Imidacloprid	ND	0.01	5.0	PASS
Kresoxim-methyl	ND	0.01	0.1	PASS
Malathion	ND	0.01	0.5	PASS
Metalaxyl	ND	0.01	2.0	PASS
Methiocarb	ND	0.01	0.1	PASS
Methomyl	ND	0.01	1.0	PASS
Myclobutanil	ND	0.01	0.1	PASS
Naled	ND	0.01	0.1	PASS
Oxamyl	ND	0.01	0.5	PASS
Pentachloronitrobenzene	ND	0.01	0.1	PASS
Permethrin	ND	0.01	0.5	PASS
Phosmet	ND	0.01	0.1	PASS
Piperonylbutoxide	ND	0.01	3.0	PASS
Prallethrin	ND	0.01	0.1	PASS
Propiconazole	ND	0.01	0.1	PASS

Pyrethrins	ND	0.01	0.5	PASS
Pyridaben	ND	0.01	0.1	PASS
Spinosad	ND	0.01	0.1	PASS
Spiromesifen	ND	0.01	0.1	PASS
Spirotetramat	ND	0.01	0.1	PASS
Tebuconazole	ND	0.01	0.1	PASS
Thiamethoxam	ND	0.01	5.0	PASS
Trifloxystrobin	ND	0.01	0.1	PASS

Heavy Metals Analysis

Analyte	Result (ppm)	LOQ (ppm)	Limit (ppm)	Status
Arsenic (As)	ND	0.02	0.2	PASS
Cadmium (Cd)	ND	0.02	0.2	PASS
Lead (Pb)	ND	0.02	0.5	PASS
Mercury (Hg)	ND	0.01	0.1	PASS

Microbial Analysis

Analyte	Result (CFU/g)	LOQ (CFU/g)	Limit (CFU/g)	Status
Total Aerobic Count	<100	100	100,000	PASS
Total Yeast & Mold	<100	100	10,000	PASS
Total Coliforms	<10	10	1,000	PASS
E. coli	ND	1	100	PASS
Salmonella spp.	ND	1	0	PASS
Aspergillus fumigatus	ND	1	0	PASS
Aspergillus flavus	ND	1	0	PASS
Aspergillus niger	ND	1	0	PASS
Aspergillus terreus	ND	1	0	PASS

Residual Solvents Analysis

Analyte	Result (ppm)	LOQ (ppm)	Limit (ppm)	Status
Acetone	ND	1.0	5000	PASS
Benzene	ND	0.1	2	PASS
Butane	ND	1.0	5000	PASS
Ethanol	ND	1.0	5000	PASS
Heptane	ND	1.0	5000	PASS
Hexane	ND	0.1	290	PASS
Isopropanol	ND	1.0	5000	PASS
Methanol	ND	1.0	3000	PASS
Pentane	ND	1.0	5000	PASS
Propane	ND	1.0	5000	PASS
Toluene	ND	0.1	890	PASS
Xylene	ND	0.1	2170	PASS

Notes:
* Total THC = (THCA × 0.877) + Δ9-THC
* Total CBD = (CBDA × 0.877) + CBD
* ND = Not Detected
* LOQ = Limit of Quantification
* CFU = Colony Forming Units
* Green Crack is a sativa-dominant strain known for its energizing effects and citrus aroma
* All analyses performed on a dry weight basis
* Results are specific to the sample tested
* This product has been tested for compliance with state regulations

QR Code Verification	Laboratory Director	Quality Assurance
[QR CODE]	Dr. Michael Rodriguez	Jennifer Walsh
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authenticity	License: AC-2024-001	License: QA-2024-003

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