

# 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 (49 compounds tested)

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
... (44 additional pesticides)	ND	0.01	Various	PASS
<b>Overall Pesticide Status</b>	-	-	-	<b>PASS</b>

## 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 (4 species)	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
Hexane	ND	0.1	290	PASS
... (7 additional solvents)	ND	Various	Various	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

Authorization

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