

Imperium Roots LLC
 402 W. 1st Street
 Odessa, TX 79761
 pcyphers@imperiumroots.com
 432-599-0263

Sample: 09-09-2022-24282
 Sample Received: 09/09/2022;
 Report Created: 09/12/2022; Expires: 09/12/2023

2022-02-LOG
 Plant, Flower - Cured



0.485%
 Total THC

<LOQ%
 Δ-9 THC

15.222%
 Total Cannabinoids

11.825%
 Total CBD

Cannabinoids

Complete

(Testing Method: HPLC, CON-P-3000)
 Date Tested: 09/09/2022

Analyte	LOD	LOQ	Mass	Mass	
	%	%	%	mg/g	
Δ-8-Tetrahydrocannabinol (Δ-8 THC)	0.0465	0.0698	ND	ND	
Δ-9-Tetrahydrocannabinol (Δ-9 THC)	0.0465	0.0698	<LOQ	<LOQ	
Δ-9-Tetrahydrocannabinolic Acid (THCA-A)	0.0465	0.0698	0.553	5.528	
Δ-9-Tetrahydrocannabinophorol (Δ-9-THCP)	0.0465	0.0698	ND	ND	
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)	0.0465	0.0698	ND	ND	
Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)	0.0465	0.0698	ND	ND	
R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)	0.0465	0.0698	ND	ND	
S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)	0.0465	0.0698	ND	ND	
9R-Hexahydrocannabinol (9R-HHC)	0.0465	0.0698	ND	ND	
9S-Hexahydrocannabinol (9S-HHC)	0.0465	0.0698	ND	ND	
Tetrahydrocannabinol Acetate (THCO)	0.0465	0.0698	ND	ND	
Cannabidivarin (CBDV)	0.0465	0.0698	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.0465	0.0698	0.071	0.707	
Cannabidiol (CBD)	0.0465	0.0698	0.612	6.121	
Cannabidiolic Acid (CBDA)	0.0465	0.0698	12.786	127.860	
Cannabigerol (CBG)	0.0400	0.0698	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.0465	0.0698	0.604	6.037	
Cannabinol (CBN)	0.0465	0.0698	ND	ND	
Cannabinolic Acid (CBNA)	0.0465	0.0698	ND	ND	
Cannabichromene (CBC)	0.0465	0.0698	<LOQ	<LOQ	
Cannabichromenic Acid (CBCA)	0.0465	0.0698	0.596	5.963	
Total			15.222	152.216	

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.

Total THC Measurement of Uncertainty: ± 0.040%
 Total CBD Measurement of Uncertainty: ± 2.000%
 THCO potency analysis does not designate quantitative specificity of Δ-8-THCO and Δ-9-THCO isomers



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Terpenes

(Testing Method: HS-GC/MS, CON-P-4000)

Date Tested: 09/09/2022

Analyte	LOD	LOQ	Mass	Mass	
	PPM	PPM	PPM	mg/g	
α-Bisabolol	0.750	3.000	307.235	0.307	
α-Humulene	0.750	3.000	895.933	0.896	
α-Pinene	0.750	3.000	373.813	0.374	
α-Terpinene	0.750	3.000	248.626	0.249	
1,8-Cineole	0.750	3.000	34.665	0.035	
β-Caryophyllene	0.750	3.000	2519.805	2.520	
β-Myrcene	0.750	3.000	1472.450	1.472	
Borneol	0.750	3.000	59.259	0.059	
Camphene	0.750	3.000	34.140	0.034	
Carene	0.750	3.000	ND	ND	
Caryophyllene Oxide	0.750	3.000	43.819	0.044	
Citral	0.750	3.000	ND	ND	
Dihydrocarveol	0.750	3.000	ND	ND	
Fenchone	0.750	3.000	<LOQ	<LOQ	
γ-Terpinene	0.750	3.000	152.769	0.153	
Limonene	0.750	3.000	745.274	0.745	
Linalool	0.750	3.000	717.674	0.718	
Menthol	0.750	3.000	ND	ND	
Nerolidol	0.750	3.000	ND	ND	
Ocimene	0.750	3.000	5309.557	5.310	
Pulegone	0.750	3.000	ND	ND	
Terpinolene	0.750	3.000	6172.543	6.173	
Total			19087.563	19.088	1.909 %

Primary Aromas

Herbal



Earthy



Cinnamon



Clove



Hops



Total terpenes value is qualitative and includes concentrations outside the assay quantitative analytical range.



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