



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20240626-043
Sample: CA240626-027-080
Rainbow Inferno
Strain: Rainbow Inferno
Category: Plant
Type: Flower - Cured

Terra Verde Group
Lic. #
N/A
San Diego, CA 92121
Lic. #

Batch#: 3
Batch Size Collected:
Total Batch Size:
Collected: 06/28/2024; Received: 06/28/2024
Completed: 06/28/2024

Moisture 8.8% Water Activity NT	Total THC 28.18%	Total CBD 0.05%	Total Cannabinoids 28.86%	Sum of Cannabinoids 32.46%	Total Terpenes 25.259 mg/g
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Summary

Batch	SOP Used	Date Tested	Pass
Cannabinoids	POT-PREP-003	06/27/2024	Complete
Moisture	MOISTURE-001	06/27/2024	8.8%
Terpenes	TERP-PREP-001	06/26/2024	Complete
Microbials	MICRO-PREP-001		Complete
Mycotoxins	PESTMICO-LC-PREP-001	06/27/2024	Pass
Heavy Metals	HM-PREP-001	06/28/2024	Pass
Foreign Matter	FM-PREP-001	06/26/2024	Pass
Pesticides	PESTMICO-LC-PREP-001 / PEST-GC-PREP-001	06/27/2024	Pass



Scan to see results

Cannabinoid Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
THCa	0.1076	0.0359	28.74	287.4	CBGa	0.1044	0.0348	0.46	4.6
Δ9-THC	0.0978	0.0261	2.97	29.7	CBG	0.0978	0.0223	0.11	1.1
Δ8-THC	0.0978	0.0158	ND	ND	CBN	0.0978	0.0223	0.01	0.1
THCV	0.0978	0.0121	ND	ND	Total THC			28.18	281.79
CBDa	0.1414	0.0471	0.06	0.6	Total CBD			0.05	0.54
CBD	0.0978	0.0198	ND	ND	Total			28.86	288.59
CBDV	0.0978	0.0157	ND	ND	Sum of			32.46	324.58
CBC	0.1935	0.0645	0.11	1.1	Cannabinoids				

Total THC=THCa * 0.877 + d9-THC + d8-THC; Total CBD = CBDa * 0.877 + CBD. Total Cannabinoids=(Acidic Cannabinoids)*0.877+Non-acidic Cannabinoids; Sum of Cannabinoids=Acidic Cannabinoids+Non-acidic Cannabinoids. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005),Moisture:Moisture Analyzer(MOISTURE-001),Water Activity:Water Activity Meter(WA-INST-002), Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client, All CA State Compliance sampled using SAMPL-SOP-001.

Terpene Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
Linalool	0.154	0.031	0.5741	5.741	Cedrol	0.151	0.016	ND	ND
β-Caryophyllene	0.608	0.160	0.5622	5.622	cis-Nerolidol	0.347	0.116	ND	ND
β-Myrcene	0.153	0.025	0.4939	4.939	Citronellol	0.598	0.121	ND	ND
δ-Limonene	0.306	0.085	0.3932	3.932	δ-3-Carene	0.306	0.029	ND	ND
α-Humulene	0.151	0.022	0.1312	1.312	Eucalyptol	0.184	0.061	ND	ND
β-Pinene	0.306	0.029	0.0866	0.866	Fenchone	0.151	0.005	ND	ND
α-Terpineol	0.154	0.025	0.0824	0.824	γ-Terpinene	0.152	0.028	ND	ND
Fenchol	0.152	0.015	0.0818	0.818	Geraniol	0.609	0.091	ND	ND
Caryophyllene Oxide	0.602	0.068	0.0616	0.616	Geranyl Acetate	0.151	0.021	ND	ND
α-Pinene	0.151	0.017	0.0416	0.416	Isoborneol	0.151	0.020	ND	ND
Borneol	0.154	0.019	0.0173	0.173	Menthol	0.185	0.062	ND	ND
α-Bisabolol	0.151	0.049	ND	ND	(-)-Guaiaol	0.154	0.023	ND	ND
α-Cedrene	0.151	0.044	ND	ND	Pulegone	0.151	0.050	ND	ND
α-Terpinene	0.151	0.037	ND	ND	p-Cymene	0.155	0.046	ND	ND
β-Eudesmol	0.216	0.072	ND	ND	Terpinolene	0.154	0.017	<LOQ	<LOQ
Camphene	0.151	0.013	ND	ND	trans-Nerolidol	0.124	0.041	ND	ND
Camphor	0.306	0.051	ND	ND	Total			2.5259	25.259

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



Infinite Chemical Analysis Labs
8312 Miramar Mall
San Diego, CA
(858) 623-2740
www.infiniteCAL.com
Lic# C8-000047-LIC

Josh M Swider

Josh Swider
Lab Director, Managing Partner
06/28/2024

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coa.support@confidentlims.com
(866) 506-5866
www.confidentlims.com



This product has been tested by Infinite Chemical Analysis, LLC 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 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC 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 Infinite Chemical Analysis, LLC.



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Residual Solvent Analysis

Category 1	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status
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Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	ND	0.009	0.003	0.2	Pass
Cadmium	ND	0.002	0.001	0.2	Pass
Lead	0.008	0.004	0.001	0.5	Pass
Mercury	<LOQ	0.014	0.005	0.1	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

Microbiological Screening

	Limit	Result	Status
	CFU/g	CFU/g	
Aspergillus flavus		NR	NT
Aspergillus fumigatus		NR	NT
Aspergillus niger		NR	NT
Aspergillus terreus		NR	NT
STEC		NR	NT
Salmonella SPP		NR	NT

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



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Chemical Residue Screening

Category 1	LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g		µg/kg	µg/kg	µg/kg	µg/kg		
Aldicarb	ND	0.054	0.018	Pass	B1	ND	5	0.99	Tested	
Carbofuran	ND	0.030	0.007	Pass	B2	ND	6.05	2	Tested	
Chlordane	ND	0.075	0.025	Pass	G1	ND	10.23	3.38	Tested	
Chlorfenapyr	ND	0.075	0.025	Pass	G2	ND	5	0.78	Tested	
Chlorpyrifos	ND	0.048	0.016	Pass	Ochratoxin A	ND	19.48	6.43	20	Pass
Coumaphos	ND	0.031	0.010	Pass	Total Aflatoxins	ND		20	Pass	
Daminozide	ND	0.030	0.028	Pass						
Dichlorvos	ND	0.066	0.022	Pass						
Dimethoate	ND	0.030	0.010	Pass						
Ethoprophos	ND	0.035	0.012	Pass						
Etofenprox	ND	0.030	0.006	Pass						
Fenoxycarb	ND	0.033	0.011	Pass						
Fipronil	ND	0.051	0.017	Pass						
Imazalil	ND	0.041	0.014	Pass						
Methiocarb	ND	0.032	0.011	Pass						
Mevinphos	ND	0.039	0.013	Pass						
Paclbutrazol	ND	0.034	0.011	Pass						
Parathion Methyl	ND	0.024	0.008	Pass						
Propoxur	ND	0.035	0.012	Pass						
Spiroxamine	ND	0.030	0.008	Pass						
Thiacloprid	ND	0.033	0.011	Pass						

Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		
Abamectin	ND	0.095	0.031	0.1	Pass	Kresoxim Methyl	ND	0.035	0.012	0.1	Pass
Acephate	ND	0.032	0.010	0.1	Pass	Malathion	ND	0.030	0.008	0.5	Pass
Acequinocyl	ND	0.072	0.024	0.1	Pass	Metalaxyl	ND	0.030	0.007	2	Pass
Acetamiprid	ND	0.030	0.009	0.1	Pass	Methomyl	ND	0.036	0.012	1	Pass
Azoxystrobin	ND	0.030	0.006	0.1	Pass	Myclobutanil	ND	0.045	0.015	0.1	Pass
Bifenazate	ND	0.030	0.010	0.1	Pass	Naled	ND	0.062	0.020	0.1	Pass
Bifenthrin	ND	0.030	0.006	3	Pass	Oxamyl	ND	0.036	0.012	0.5	Pass
Boscalid	ND	0.035	0.011	0.1	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.1	Pass
Captan	ND	0.358	0.120	0.7	Pass	Permethrin	ND	0.049	0.016	0.5	Pass
Carbaryl	ND	0.042	0.014	0.5	Pass	Phosmet	ND	0.031	0.010	0.1	Pass
Chlorantraniliprole	ND	0.037	0.012	10	Pass	Piperonyl Butoxide	ND	0.030	0.006	3	Pass
Clofentezine	ND	0.030	0.009	0.1	Pass	Prallethrin	ND	0.045	0.015	0.1	Pass
Cyfluthrin	ND	0.056	0.019	2	Pass	Propiconazole	ND	0.042	0.014	0.1	Pass
Cypermethrin	ND	0.077	0.026	1	Pass	Pyrethrins	ND	0.030	0.007	0.5	Pass
Diazinon	ND	0.030	0.003	0.1	Pass	Pyridaben	ND	0.030	0.008	0.1	Pass
Dimethomorph	ND	0.030	0.009	2	Pass	Spinetoram	ND	0.030	0.005	0.1	Pass
Etoxazole	ND	0.030	0.005	0.1	Pass	Spinosad	ND	0.030	0.003	0.1	Pass
Fenhexamid	ND	0.036	0.012	0.1	Pass	Spiromesifen	ND	0.030	0.008	0.1	Pass
Fenpyroximate	ND	0.030	0.006	0.1	Pass	Spirotetramat	ND	0.030	0.010	0.1	Pass
Flonicamid	ND	0.054	0.018	0.1	Pass	Tebuconazole	ND	0.031	0.010	0.1	Pass
Fludioxonil	ND	0.054	0.018	0.1	Pass	Thiamethoxam	ND	0.036	0.012	5	Pass
Hexythiazox	ND	0.032	0.011	0.1	Pass	Trifloxystrobin	ND	0.030	0.006	0.1	Pass
Imidacloprid	ND	0.055	0.018	5	Pass						

Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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