

Grow Sciences

Grow Sciences
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(480) 442-5621
Lic. #00000114ESQS66067289


Sample: 2403LVL0474.2614

Strain: Tropical Puddles; Batch#: C.TPP240220BD.HYD; Batch Size: 11 g; External Batch ID: C.TPP240220BD.HYD
Sample Received: 03/29/2024; Report Created: 04/08/2024; Report Expiration: 04/08/2025
Secondary License: ; Chain of Distribution:
Sampling Date: 03/29/2024; Sampling Time: 3; Sampling Person: MZ
Harvest Date: 12/21/2023; Manufacturing Date: 02/20/2024; External Lot ID:

Tropical Puddles Badder

Concentrates & Extracts, Live Resin, Pressing



	70.02%	<LOQ	85.63%
	Total THC	Total CBD	
	96.30 mg/g	Not Tested	Total Cannabinoids
	Total Terpenes	NT Moisture	

Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.675	77.061	770.61	
Δ9-THC	0.675	2.433	24.33	
Δ8-THC	0.675	ND	ND	
THCVa	0.675	<LOQ	<LOQ	Q3
THCV	0.675	ND	ND	Q3
CBDa	0.675	<LOQ	<LOQ	
CBD	0.675	ND	ND	
CBDVa	0.675	ND	ND	Q3
CBDV	0.675	ND	ND	Q3
CBN	0.675	ND	ND	Q3
CBGa	0.675	5.010	50.10	Q3
CBG	0.675	<LOQ	<LOQ	Q3
CBCa	0.675	1.126	11.26	Q3
CBC	0.675	ND	ND	Q3
Total		85.630	856.30	Q3

Qualifiers:
Date Tested: 04/01/2024 07:00 am

Total THC = THCa * 0.877 + d9-THC
Total CBD = CBDa * 0.877 + CBD

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. Cannabinoid potency performed by HPLC-DAD per SOP-(1608). ADHS approved method for potency by HPLC-DAD for all listed analytes.

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Terpenes

Analyte	LOQ	Mass	MassQualifier	Analyte	LOQ	Mass	MassQualifier	
	mg/g	mg/g	%		mg/g	mg/g	%	
Farnesene	0.07	22.10	2.210	Q3	cis-Nerolidol	0.87	ND	Q3
β-Caryophyllene	0.87	20.61	2.061	Q3	Citronellol	4.34	ND	Q3
δ-Limonene	0.87	19.15	1.915	Q3	Eucalyptol	0.43	ND	Q3
β-Myrcene	0.43	8.31	0.831	Q3	Fenchone	0.87	<LOQ	<LOQ
Linalool	0.87	6.54	0.654	Q3	γ-Terpinene	0.43	ND	Q3
α-Humulene	0.43	5.66	0.566	Q3	γ-Terpineol	0.09	ND	Q3
cis-Ocimene	0.13	4.14	0.414	Q3	Geraniol	8.69	ND	Q3
Fenchol	0.43	2.84	0.284	Q3	Geranyl Acetate	0.43	ND	Q3
α-Terpineol	0.71	2.18	0.218	Q3	Guaiol	0.43	ND	Q3
α-Bisabolol	0.43	1.72	0.172	Q3	Isoborneol	4.34	ND	Q3
α-Pinene	0.43	1.42	0.142	Q3	Isopulegol	0.43	ND	Q3
β-Pinene	0.87	1.12	0.112	Q3	Menthol	0.43	ND	Q3
Camphene	0.43	0.51	0.051	Q3	Nerol	0.43	ND	Q3
3-Carene	0.87	ND	ND	Q3	Pulegone	0.43	ND	Q3
α-Cedrene	0.43	ND	ND	Q3	p-Cymene	0.43	ND	Q3
α-Phellandrene	0.43	ND	ND	Q3	Sabinene	0.43	ND	Q3
α-Terpinene	0.43	ND	ND	Q3	Sabinene Hydrate	0.43	ND	Q3
β-Eudesmol	0.43	ND	ND	Q3	Terpinolene	0.87	<LOQ	<LOQ
Borneol	1.30	<LOQ	<LOQ	Q3	trans-Nerolidol	0.43	ND	Q3
Camphor	1.74	ND	ND	Q3	trans-Ocimene	0.29	ND	Q3
Caryophyllene Oxide	0.43	<LOQ	<LOQ	Q3	Valencene	0.43	ND	Q3
Cedrol	0.43	ND	ND	Q3				


Primary Aromas




Magnolia




Cinnamon



Lemon



Hops



Lavender

96.30 mg/g
Total Terpenes

Qualifiers:
Date Tested: 04/02/2024 12:00 am

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. Qualifying code Q3: For informational purposes only.

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Residual Solvents

Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Acetone	380.210	1000.000	ND	Pass	V1 M1
Acetonitrile	154.560	410.000	ND	Pass	V1 L1 M1
Benzene	0.760	2.000	ND	Pass	V1 L1 M1
Butanes	2529.680	5000.000	ND	Pass	V1 L1 M1 R1
Chloroform	22.770	60.000	ND	Pass	V1 M1
Dichloromethane	231.360	600.000	ND	Pass	M1
Ethanol	1886.420	5000.000	ND	Pass	V1 L1 M1
Ethyl-Acetate	1888.210	5000.000	ND	Pass	V1 L1 M1
Ethyl-Ether	1880.840	5000.000	ND	Pass	V1 L1 M1
Heptane	1883.580	5000.000	ND	Pass	L1
Hexanes	108.580	290.000	ND	Pass	V1 L1 M1
Isopropanol	1877.580	5000.000	ND	Pass	V1 L1 M1
Isopropyl-Acetate	1881.050	5000.000	ND	Pass	V1 M1
Methanol	1125.680	3000.000	ND	Pass	V1 L1 M1
Pentanes	1893.260	5000.000	ND	Pass	V1 L1 M1
Toluene	338.780	890.000	ND	Pass	M1
Xylenes	811.710	2170.000	ND	Pass	M1

LEVEL ONE

Qualifiers:
Date Tested: 04/01/2024 07:00 am

Performed by GCMS-HS per SOP-LM-014. Methods used per AZDHS R9-17-404.03 and solvent limits set by AZDHS R9-17 Table 3.1. ADHS approved method for residual solvents by GCMS-HS for all listed analytes.



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Concentrates & Extracts, Live Resin, Pressing



Pesticides

Pass

Analyte	LOQ	Limit	Units	Status	Qualifier	Analyte	LOQ	Limit	Units	Status	Qualifier
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.030	0.500	ND	Pass	M2	Hexythiazox	0.050	1.000	ND	Pass	
Acephate	0.040	0.400	ND	Pass		Imazalil	0.050	0.200	ND	Pass	
Acetamiprid	0.050	0.200	ND	Pass	M2	Imidacloprid	0.050	0.400	ND	Pass	
Aldicarb	0.050	0.400	ND	Pass		Kresoxim Methyl	0.040	0.400	ND	Pass	
Azoxystrobin	0.050	0.200	ND	Pass		Malathion	0.050	0.200	ND	Pass	
Bifenazate	0.050	0.200	ND	Pass	M1	Metalaxyl	0.050	0.200	ND	Pass	
Bifenthrin	0.050	0.200	ND	Pass	M2	Methiocarb	0.040	0.200	ND	Pass	
Boscalid	0.040	0.400	ND	Pass		Methomyl	0.050	0.400	ND	Pass	
Carbaryl	0.050	0.200	ND	Pass		Myclobutanil	0.050	0.200	ND	Pass	M2
Carbofuran	0.050	0.200	ND	Pass		Naled	0.050	0.500	ND	Pass	
Chlorantraniliprole	0.050	0.200	ND	Pass	L1	Oxamyl	0.050	1.000	ND	Pass	
Chlorfenapyr	0.460	1.000	ND	Pass		Pacllobutrazol	0.050	0.400	ND	Pass	
Chlorpyrifos	0.050	0.200	ND	Pass		Permethrins	0.050	0.200	ND	Pass	M2
Clofentezine	0.050	0.200	ND	Pass		Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.460	1.000	ND	Pass		Piperonyl Butoxide	0.040	2.000	ND	Pass	
Cypermethrin	0.050	1.000	ND	Pass	M2	Prallethrin	0.050	0.200	ND	Pass	
Daminozide	0.460	1.000	ND	Pass		Propiconazole	0.050	0.400	ND	Pass	M2
Dichlorvos (DDVP)	0.050	0.100	ND	Pass		Propoxur	0.050	0.200	ND	Pass	
Diazinon	0.050	0.200	ND	Pass		Pyrethrins	0.460	1.000	ND	Pass	
Dimethoate	0.050	0.200	ND	Pass		Pyridaben	0.050	0.200	ND	Pass	
Ethoprophos	0.050	0.200	ND	Pass		Spinosad	0.050	0.200	ND	Pass	M2
Etofenprox	0.050	0.400	ND	Pass	M2	Spiromesifen	0.050	0.200	ND	Pass	
Etoxazole	0.050	0.200	ND	Pass		Spirotetramat	0.050	0.200	ND	Pass	
Fenoxycarb	0.050	0.200	ND	Pass		Spiroxamine	0.040	0.400	ND	Pass	
Fenpyroximate	0.050	0.400	ND	Pass	M2	Tebuconazole	0.050	0.400	ND	Pass	
Fipronil	0.040	0.400	ND	Pass		Thiacloprid	0.050	0.200	ND	Pass	
Flonicamid	0.050	1.000	ND	Pass		Thiamethoxam	0.050	0.200	ND	Pass	
Fludioxonil	0.040	0.400	ND	Pass		Trifloxystrobin	0.050	0.200	ND	Pass	

Herbicides

Analyte	LOQ	Limit	Units	Status
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Qualifiers:

Date Tested: 04/03/2024 07:00 am
Performed by LCMSMS per SOP-LM-021 and SOP-LM-022. ND = Not Detected; NR = Not Reported. Methods used per AZDHS R9-17-404.03 and pesticide limits set by AZDHS R9-17 Table 3.1. ADHS approved method for pesticide testing by LCMSMS for full list effective 5/1/2021.



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Mycotoxins

Pass

Total Ochratoxins Date Tested: 04/02/2024
Total Aflatoxins Date Tested: 04/02/2024

Analyte	LOQ	Limit	Units	Status	Qualifier
	µg/kg	µg/kg	µg/kg		
Total Aflatoxins (B1 B2 G1 and G2)	4.00	20.00	ND	Pass	
Total Ochratoxins (A and B)	2.00	20.00	4.01	Pass	

LEVEL ONE

TNTC = Too Numerous to Count. The lower limit of quantification for Aflatoxin is 4ppb and the lower limit of quantification for Ochratoxin is 2ppb unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: direct ELISA produced by Romer Labs and read on Bio-Tek 800TS microplate reader. Procedure followed SOP-LM-018. Methods used per AZDHS R9-17-404.03 and R9-17-404.04 and limits set by AZDHS R9-17 Table 3.1. ADHS approved method.



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Microbials

Pass

Analyte	Result	Result Units	Status	Qualifier
E. Coli	<10	CFU/G	Pass	
Salmonella	Not Detected	in one gram	Pass	
Aspergillus terreus	Not Detected	in one gram	Pass	
Aspergillus fumigatus, Aspergillus flavus, and Aspergillus niger	Not Detected	in one gram	Pass	

Qualifiers:
Date Tested: 04/03/2024 12:00 am

TNTC = Too Numerous to Count. The lower limit of quantification for E. coli is 10 CFU/g unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: E. coli plating via 3M Petrifilm per SOP-LM-019, Salmonella spp. And Aspergillus spp. detection by Bio-Rad CFX96 Deep Well real-time PCR per SOP-LM-016 & SOP-LM-017. Methods used per AZDHS R9-17-404.04 and microbial limits set by AZDHS R9-17 Table 3.1. ADHS approved method for microbials for all listed organisms.



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Heavy Metals

Pass

Analyte	Mass PPM	Limit PPM	Status	Qualifier
Arsenic	<0.400	0.400	Pass	V1
Cadmium	<0.400	0.400	Pass	V1
Lead	<1.000	1.000	Pass	
Mercury	<0.200	0.200	Pass	L1

LEVEL ONE

Qualifiers:
Date Tested: 04/05/2024 07:00 am

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