



CERTIFICATE OF ANALYSIS

Regulatory Compliance Testing
Report Date: Oct 24, 2024

Overall Result



PASS

Naturae LLC

pg 1 of 5

Agent Orange RZRC24291E

Concentrate



SAMPLE INFORMATION

Sample ID: CTNY-241017-005
Sample Name: Agent Orange RZRC24291E
Matrix: Concentrated Cannabis
Product: Concentrate
Batch No.: RZRC24291E
Batch Size: 5667 Units
Sample Size: 12 g
Cultivar(s): N/A
Date Collected: Oct 17, 2024
Time Collected: 12:13:37
Date Received: Oct 17, 2024
Category: Concentrated_cannabis
Compliance Type: Adult Use
Received By: Logan Emerson Alvarez

CULTIVATOR

Naturae LLC
License: OCM-PROC-24-000091
Address: 4883 NY-67
Hoosick Falls, NY 12090

MANUFACTURER

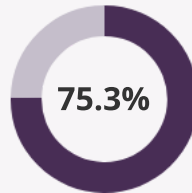
Naturae LLC
License: OCM-PROC-24-000091
Address: 4883 NY-67
Hoosick Falls, NY 12090

CONTACT

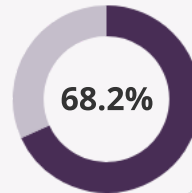
Dennis Tario
Phone: (518) 937-7247
Address: 4883 NY-67
Hoosick Falls, NY 12090

Cannabinoids

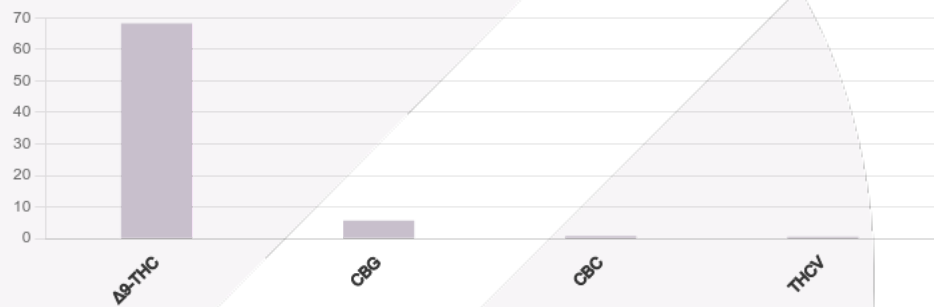
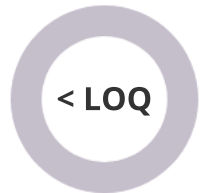
TOTAL CANNABINOIDS



TOTAL THC

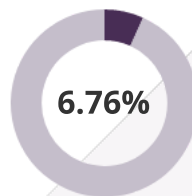


TOTAL CBD



Terpenes

TOTAL TERPENES



TOP 5 TERPENES

Terpene	Percentage	Profile	Icon
β-Caryophyllene	2.75%	Spicy	
d-Limonene	1.35%	Citrus	
α-Humulene	0.95%	Hops	
α-Bisabolol	0.46%	Floral	
α-Pinene	0.27%	Pine	

PROFILE

Cannabinoids	Heavy Metals	Microbials	Mycotoxins
TESTED	PASS	PASS	PASS
Pesticides	Residual Solvents	Terpenes	
PASS	PASS	PASS	



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Larry Clement
Quality Assurance Officer
Oct 24, 2024



Logan Alvarez
Lead Technical Director
Oct 24, 2024



Agent Orange RZRC24291E

Cannabinoids

Testing Method: CTND-NY-SOP-P-002, CTND-NY-SOP-P-001: Cannabinoids by HPLC

TESTED

Analyte	Dilution	LOQ	Results	Results	Results	Results
	1:n	%	%	mg/g	mg/pkg	mg/srv
9R-Δ ¹⁰ -THC	70	0.531	< LOQ	< LOQ		
9S-Δ ¹⁰ -THC	70	0.531	< LOQ	< LOQ		
CBC	70	0.531	0.763	7.63		
CBD	70	0.531	< LOQ	< LOQ		
CBDA	70	0.531	< LOQ	< LOQ		
CBDV	70	0.531	< LOQ	< LOQ		
CBG	70	0.531	5.70	57.0		
Total THC			68.2	682		
Total CBD			< LOQ	< LOQ		

Analyte	Dilution	LOQ	Results	Results	Results	Results
	1:n	%	%	mg/g	mg/pkg	mg/srv
CBGA	70	0.531	< LOQ	< LOQ		
CBN	70	0.531	< LOQ	< LOQ		
Δ ⁸ -THC	70	0.531	< LOQ	< LOQ		
Δ ⁹ -THC	70	0.531	68.2	682		
Δ ¹⁰ -THC			< LOQ	< LOQ		
THCA	70	0.531	< LOQ	< LOQ		
THCV	70	0.531	0.600	6.00		
Total THC			68.2	682		
Total CBD			< LOQ	< LOQ		

Prepared By: 38fef6
Analysis Date: Oct 18, 2024 14:12:00 EDT

Analyzed By: 38fef6
Prep Weight: 0.1978 Grams

Reviewed By: 38fef6
Lab Batch #: NP240221

Heavy Metals

Testing Method: CTND-NY-SOP-M-002, CTND-NY-SOP-M-001: Heavy Metals by ICP-MS

PASS

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	µg/g	µg/g	µg/g	
Antimony	2	0.079	2	< LOQ	Pass
Arsenic	2	0.079	0.2	< LOQ	Pass
Cadmium	2	0.079	0.2	< LOQ	Pass
Chromium	2	0.395	110	< LOQ	Pass

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	µg/g	µg/g	µg/g	
Copper	2	0.395	30	< LOQ	Pass
Lead	2	0.079	0.5	< LOQ	Pass
Mercury	2	0.079	0.1	< LOQ	Pass
Nickel	2	0.395	2	< LOQ	Pass

Prepared By: tvckqh
Analysis Date: Oct 21, 2024 12:12:00 EDT

Analyzed By: tvckqh
Prep Weight: 0.5065 Grams

Reviewed By: tvckqh
Lab Batch #: NM240153



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Larry Clement
Quality Assurance Officer
Oct 24, 2024



Logan Alvarez
Lead Technical Director
Oct 24, 2024



Agent Orange RZRC24291E

Microbials

PASS

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Aerobic Bacteria	CFU/g 100	CFU/g 10000	CFU/g < LOQ	Pass	Micro: Total Viable Aerobic Bacteria by Biomerieux Tempo
					Prepared By: k4gdmc Analysis Date: Oct 18, 2024 14:30:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB240081
					Analyzed By: k4gdmc

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Aspergillus flavus	CFU/g 1.00	CFU/g Absent in any amt	CFU/g Absent	Pass	Micro: Aspergillus by Biomerieux Gene-Up
Aspergillus fumigatus	1.00	Absent in any amt	Absent	Pass	Prepared By: k4gdmc Analysis Date: Oct 18, 2024 15:00:00 EDT
Aspergillus niger	1.00	Absent in any amt	Absent	Pass	
Aspergillus terreus	1.00	Absent in any amt	Absent	Pass	

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Salmonella spp.	CFU/g 1.00	CFU/g Absent in any amt	CFU/g Absent	Pass	Micro: Salmonella by Biomerieux Gene-Up
					Prepared By: k4gdmc Analysis Date: Oct 18, 2024 15:00:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB240081
					Analyzed By: k4gdmc

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Shiga toxin-producing E. coli	CFU/g 1.00	CFU/g Absent in any amt	CFU/g Absent	Pass	Micro: Shiga Toxin-producing E. Coli by Biomerieux Gene-Up
					Prepared By: k4gdmc Analysis Date: Oct 18, 2024 15:00:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB240081
					Analyzed By: k4gdmc

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Yeast & Mold	CFU/g 100	CFU/g 1000	CFU/g < LOQ	Pass	Micro: Total Yeast & Mold by Biomerieux Tempo
					Prepared By: k4gdmc Analysis Date: Oct 20, 2024 17:00:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB240081
					Analyzed By: k4gdmc

Mycotoxins

Testing Method: CTND-NY-SOP-PM-002, CTND-NY-SOP-PM-001: Mycotoxins by LC-MS/MS

PASS

Analyte	Dilution	LOQ	Limit	Results	Status	Analyte	Dilution	LOQ	Limit	Results	Status						
Aflatoxin B1	1:n 1	µg/g 0.0149	µg/g	< LOQ	N/A	Aflatoxin G2	1:n 1	µg/g 0.0149	µg/g	< LOQ	N/A						
Aflatoxin B2	1	0.0149		< LOQ	N/A	Ochratoxin A	1	0.0149	0.02	< LOQ	Pass						
Aflatoxin G1	1	0.0149		< LOQ	N/A	Aflatoxins			0.02	< LOQ	Pass						
Prepared By: k4gdmc Analysis Date: Oct 23, 2024 08:00:00 EDT						Analyzed By: k4gdmc Prep Weight: 0.6707 Grams						Reviewed By: k4gdmc Lab Batch #: NPM240140					



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Larry Clement
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 Oct 24, 2024



Logan Alvarez
 Lead Technical Director
 Oct 24, 2024



Agent Orange RZRC24291E

Pesticides

Testing Method: CTND-NY-SOP-PM-002: Pesticides by LC-MS/MS

PASS

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	ppm	ppm	ppm	
Abamectin	1	0.149	0.5	< LOQ	Pass
Acephate	1	0.149	0.4	< LOQ	Pass
Acequinocyl	1	0.149	2	< LOQ	Pass
Acetamiprid	1	0.149	0.2	< LOQ	Pass
Aldicarb	1	0.149	0.4	< LOQ	Pass
Azadirachtin	1	0.149	1	< LOQ	Pass
Azoxystrobin	1	0.149	0.2	< LOQ	Pass
Bifenazate	1	0.149	0.2	< LOQ	Pass
Bifenthrin	1	0.149	0.2	< LOQ	Pass
Boscalid	1	0.149	0.4	< LOQ	Pass
Captan	1	0.149	1	< LOQ	Pass
Carbaryl	1	0.149	0.2	< LOQ	Pass
Carbofuran	1	0.149	0.2	< LOQ	Pass
Chlorantraniliprole	1	0.149	0.2	< LOQ	Pass
Chlordane	1	0.596	1	< LOQ	Pass
Chlorfenapyr	1	0.149	1	< LOQ	Pass
Chloromequat chloride	1	0.149	1	< LOQ	Pass
Chlorpyrifos	1	0.149	0.2	< LOQ	Pass
Clofentezine	1	0.149	0.2	< LOQ	Pass
Coumaphos	1	0.149	1	< LOQ	Pass
Cyfluthrin	1	0.149	1	< LOQ	Pass
Cypermethrin	1	0.149	1	< LOQ	Pass
Daminozide	1	0.149	1	< LOQ	Pass
Diazinon	1	0.149	0.2	< LOQ	Pass
Dichlorvos	1	0.149	1	< LOQ	Pass
Dimethoate	1	0.149	0.2	< LOQ	Pass
Dimethomorph	1	0.149	1	< LOQ	Pass
Ethoprophos	1	0.149	0.2	< LOQ	Pass
Etofenprox	1	0.149	0.4	< LOQ	Pass
Etoxazole	1	0.149	0.2	< LOQ	Pass
Fenhexamid	1	0.149	1	< LOQ	Pass
Fenoxycarb	1	0.149	0.2	< LOQ	Pass
Fenpyroximate	1	0.149	0.4	< LOQ	Pass
Fipronil	1	0.149	0.4	< LOQ	Pass
Flonicamid	1	0.149	1	< LOQ	Pass
Fludioxonil	1	0.149	0.4	< LOQ	Pass
Hexythiazox	1	0.149	1	< LOQ	Pass
Imazalil	1	0.149	0.2	< LOQ	Pass
Imidacloprid	1	0.149	0.4	< LOQ	Pass
Indole-3-butyric acid	1	0.149	1	< LOQ	Pass

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	ppm	ppm	ppm	
Kresoxim-methyl	1	0.149	0.4	< LOQ	Pass
Malathion	1	0.149	0.2	< LOQ	Pass
Metaxyl	1	0.149	0.2	< LOQ	Pass
Methiocarb	1	0.149	0.2	< LOQ	Pass
Methomyl	1	0.149	0.4	< LOQ	Pass
Methyl parathion	1	0.149	0.2	< LOQ	Pass
Mevinphos	1	0.149	1	< LOQ	Pass
MGK-264			0.2	< LOQ	Pass
MGK-264 I	1	0.0491		< LOQ	N/A
MGK-264 II	1	0.0963		< LOQ	N/A
Myclobutanil	1	0.149	0.2	< LOQ	Pass
Naled	1	0.149	0.5	< LOQ	Pass
Oxamyl	1	0.149	1	< LOQ	Pass
Paclobutrazol	1	0.149	0.4	< LOQ	Pass
Pentachloronitrobenzene	1	0.149	1	< LOQ	Pass
Permethrin			0.2	< LOQ	Pass
Permethrin cis	1	0.0686		< LOQ	N/A
Permethrin trans	1	0.0805		< LOQ	N/A
Phosmet	1	0.149	0.2	< LOQ	Pass
Piperonylbutoxide	1	0.149	2	< LOQ	Pass
Prallethrin	1	0.149	0.2	< LOQ	Pass
Propiconazole	1	0.149	0.4	< LOQ	Pass
Propoxur	1	0.149	0.2	< LOQ	Pass
Pyrethrins			1	< LOQ	Pass
Pyrethrins Cinerin I	1	0.00805		< LOQ	N/A
Pyrethrins Jasmolin I	1	0.00564		< LOQ	N/A
Pyrethrins Pyrethrin I	1	0.0793		< LOQ	N/A
Pyridaben	1	0.149	0.2	< LOQ	Pass
Spinetoram	1	0.149	1	< LOQ	Pass
Spinosad			0.2	< LOQ	Pass
Spinosad A	1	0.120		< LOQ	N/A
Spinosad D	1	0.0259		< LOQ	N/A
Spiromesifen	1	0.149	0.2	< LOQ	Pass
Spirotetramat	1	0.149	0.2	< LOQ	Pass
Spiroxamine	1	0.149	0.2	< LOQ	Pass
Tebuconazole	1	0.149	0.4	< LOQ	Pass
Thiacloprid	1	0.149	0.2	< LOQ	Pass
Thiamethoxam	1	0.149	0.2	< LOQ	Pass
Trifloxystrobin	1	0.149	0.2	< LOQ	Pass

Prepared By: k4gdmc
Analysis Date: Oct 23, 2024 08:00:00 EDT, Oct 22, 2024
21:00:00 EDT

Analyzed By: k4gdmc
Prep Weight: 0.6707 Grams

Reviewed By: k4gdmc
Lab Batch #: NPM240140



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Larry Clement
Quality Assurance Officer
Oct 24, 2024



Logan Alvarez
Lead Technical Director
Oct 24, 2024



Agent Orange RZRC24291E

Residual Solvents

Testing Method: CTND-NY-SOP-R-002, CTND-NY-SOP-R-001: Residual Solvents by GC-MS

PASS

Analyte	Dilution	LOQ	Limit	Results	Status	Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	ppm	ppm	ppm			1:n	ppm	ppm	ppm	
1,1,1,2-Tetrafluoroethane	1	189.000	1000	< LOQ	Pass	Dimethyl sulfoxide	1	1510.000	5000	< LOQ	Pass
1,1,1-Trichloroethane	1	75.500	1500	< LOQ	Pass	Ethanol	1	75.500	5000	105.310	Pass
1,2-Dichloroethane	1	7.550	5	< LOQ	Pass	Ethyl acetate	1	75.500	5000	< LOQ	Pass
2,2-Dimethylbutane	1	15.100		< LOQ	N/A	Ethyl ether	1	75.500	5000	< LOQ	Pass
2,3-Dimethylbutane	1	15.100		< LOQ	N/A	Heptane	1	75.500	5000	< LOQ	Pass
2-Methylbutane	1	25.200		< LOQ	N/A	Hexane	1	15.100		< LOQ	N/A
2-Methylpentane	1	15.100		< LOQ	N/A	Hexanes			290	< LOQ	Pass
2-Propanol	1	75.500	5000	< LOQ	Pass	Methanol	1	75.500	3000	< LOQ	Pass
3-Methylpentane	1	15.100		< LOQ	N/A	Neopentane	1	25.200		< LOQ	N/A
Acetone	1	75.500	5000	< LOQ	Pass	o-Xylene	1	18.900		< LOQ	N/A
Acetonitrile	1	75.500	410	< LOQ	Pass	p- and m-Xylene	1	37.800		< LOQ	N/A
Benzene	1	0.755	2	< LOQ	Pass	Pentane	1	25.200		< LOQ	N/A
Butane	1	37.800		< LOQ	N/A	Pentanes			5000	< LOQ	Pass
Butanes			5000	< LOQ	Pass	Propane	1	75.500	5000	< LOQ	Pass
Chloroform	1	0.755	60	< LOQ	Pass	Toluene	1	75.500	890	< LOQ	Pass
Dichloromethane	1	75.500	600	< LOQ	Pass	Total xylenes			2170	< LOQ	Pass
						Trichloroethylene	1	75.500		< LOQ	N/A

Prepared By: tvckqh
Analysis Date: Oct 23, 2024 11:56:00 EDT

Analyzed By: tvckqh
Prep Weight: 0.1324 Grams

Reviewed By: tvckqh
Lab Batch #: NR240144

Terpenes

Testing Method: CTND-NY-SOP-T-002, CTND-NY-SOP-T-001: Terpenes by GC-MS

PASS

Analyte	Dilution	LOQ	Limit	Results	Results	Analyte	Dilution	LOQ	Limit	Results	Results
	1:n	%	%	%	mg/g		1:n	%	%	%	mg/g
α-Bisabolol	1	0.0197		0.4600	4.6000	Fenchol	1	0.0197		0.1189	1.1890
α-Humulene	10	0.1970		0.9516	9.5160	γ-Terpinene	1	0.0197		< LOQ	< LOQ
α-Phellandrene	1	0.0197		< LOQ	< LOQ	Geraniol	1	0.0197		< LOQ	< LOQ
α-Pinene	1	0.0197		0.2695	2.6950	Guaiol	1	0.0197		< LOQ	< LOQ
α-Terpinene	1	0.0197		< LOQ	< LOQ	Isopulegol	1	0.0197		< LOQ	< LOQ
β-Caryophyllene	10	0.1970		2.7497	27.4970	Linalool	1	0.0197		0.0612	0.6120
β-Myrcene	1	0.0197		0.1210	1.2100	p-Cymene	1	0.0197		< LOQ	< LOQ
β-Pinene	1	0.0197		0.1363	1.3630	Terpineol	1	0.0197		0.0979	0.9790
Camphene	1	0.0197		0.0454	0.4540	Terpinolene	1	0.0197		< LOQ	< LOQ
Caryophyllene Oxide	1	0.0197		0.0688	0.6880	trans-β-Farnesene	1	0.0197		0.1999	1.9990
cis-β-Ocimene	1	0.0055		0.0079	0.0790	trans-β-Ocimene	1	0.0132		0.0514	0.5140
d-Limonene	10	0.1970		1.3461	13.4610	trans-Nerolidol	1	0.0197		< LOQ	< LOQ
Δ ³ -Carene	1	0.0197		< LOQ	< LOQ	Valencene	1	0.0197		0.0778	0.7780
Eucalyptol	1	0.0197		< LOQ	< LOQ						
Total Terpenes			11.5	6.7634	67.6340	Total Terpenes			11.5	6.7634	67.6340

Prepared By: tvckqh
Analysis Date: Oct 18, 2024 14:04:00 EDT

Analyzed By: tvckqh
Prep Weight: 0.1017 Grams

Reviewed By: tvckqh
Lab Batch #: NT240157

Regulatory Compliance Testing



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Definitions and Equations: Total THC = THCa*0.877 + Δ8-THC + Δ9-THC + Δ10-THC, Δ10-THC = 9R-Δ10-THC + 9S-Δ10-THC, Total CBD = CBDA*0.877 + CBD, Total Cannabinoids = All analytes summed excluding the isomers 9R-Δ10-THC and 9S-Δ10-THC, LOQ = Limit of Quantification, LOD = Limit of Detection. This report, and all results within, relates only to the items tested, calibrated or sampled, and may not be reproduced without written approval from CTND. All methods and results used conform to the NYS OCM regulations and standards. For bulk flower and plant forms, phytocannabinoids are corrected for moisture content and reported on a dry weight basis. Sampling & Transportation SOP: CTND-NY-SOP-SM-001