

Certificate of Analysis

Order #	2105HTB0002	Receipt Date:	5/3/2021 12:05	Product Name:	Pangaia CBD Oil
Order Date:	5/3/2021	Completion Date:	5/5/2021 12:05	Description:	Full Spectrum 1000mg CBD
Sample #	2105HTB0002-001	Initial Gross Weight:	8.27 g	Matrix:	Extract (Non-Inh)
Sampling Date:	5/3/2021 00:05	Sampling Method:	LAB-025 Sample Receiving		

Client:	Pangaia CBD	Batch Client #:	MTL-20210503	Seed to Sale #:	N/A	Cultivation Facility:	N/A
Address:	8411 W. Oakland Park Blvd	Batch Date:	5/3/2021	Lot ID:	MTL-20210503	Cultivation Date:	5/3/2021
Address:	Sunrise, FL 33351	Extracted From:	N/A	Cultivars:	N/A	Production Facility:	N/A
				Test Reg State:	Hemp FL	Production Date:	5/3/2021

WATER ACTIVITY		PASSED	
Analyte	Action Level (aw)	Result (aw)	Status
Water Activity	0.85	0.53	Pass
Sample Analyzed By:	Date/Time		
010	5/3/2021 15:08		
Batch Reviewed By:	Date/Time:	Analysis #	
006	5/3/2021 16:33	WA 1	
Specimen wt (g):	3.06		
Analysis Method:	Instrument Used:		
TM-007 Water Activity	Water Activity Probe		

MOISTURE		NOT TESTED	
Analyte	Action Level (%)	Result (%)	Status
Moisture Content			N/A
Sample Analyzed By:	Date/Time:		
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt (g):			
Analysis Method:	Instrument Used:		

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA*0.877), Total CBD = CBD + (CBDA*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (ug/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation; (ppm) = parts per million; (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (ug/kg).
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Sampling Date:	5/3/2021 00:05	Sampling Method:	LAB-025 Sample Receiving		

Client:	Pangaia CBD	Batch Client #:	MTL-20210503	Seed to Sale #:	N/A	Cultivation Facility:	N/A
Address:	8411 W. Oakland Park Blvd	Batch Date:	5/3/2021	Lot ID:	MTL-20210503	Cultivation Date:	5/3/2021
Address:	Sunrise, FL 33351	Extracted From:	N/A	Cultivars:	N/A	Production Facility:	N/A
				Test Reg State:	Hemp FL	Production Date:	5/3/2021

MYCOTOXINS PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Aflatoxin B1	4.2	20	ND	Pass
Aflatoxin B2	6.2	20	ND	Pass
Aflatoxin G1	5.6	20	ND	Pass
Aflatoxin G2	4.7	20	ND	Pass
Ochratoxin A	6	20	ND	Pass
Total Aflatoxin				N/A

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
011	5/4/2021 15:11	011	5/4/2021 15:46
Batch Reviewed By:	Date/Time:	Analysis #	
011	5/4/2021 15:47	Mycotoxins	
Specimen wt (g):		Dilution:	
0.2609		125	
Analysis Method:		Instrument Used:	
TM-002 Pesticides and Mycotoxins		LC/MS/MS	

TOTAL YEAST AND MOLD PASSED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Combined Yeasts & Molds	100000	0.0	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
010	5/3/2021 14:38	010	5/5/2021 12:27
Batch Reviewed By:	Date/Time:	Analysis #	
006	5/5/2021 11:17	Y&M 1	
Specimen wt (g):		Dilution:	
1.00		100	
Analysis Method:		Instrument Used:	
TM-012 Yeast and Molds		Incubator	

MICROBIAL PASSED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Salmonella	Present	Absent	Pass
Shiga Toxin E. coli	Present	Absent	Pass
Total Aspergillus	Present	Absent	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
010	5/3/2021 14:36	010	5/5/2021 12:27
Batch Reviewed By:	Date/Time:	Analysis #	
006	5/5/2021 12:31	PCR1 PCR2	
Specimen wt (g):		Dilution:	
1.02		100	
Analysis Method:		Instrument Used:	
TM-011 Microbiology		qPCR	

FILTH & FOREIGN MATERIAL PASSED

Analyte	Action Level	Result	Status
Feces Amount (mg/kg)	0.5	0.000	Pass
Filth (%)	1	0.000	Pass

Sample Analyzed By:	Date/Time:		
010	5/3/2021 15:05		
Batch Reviewed By:	Date/Time:	Analysis #	
006	5/3/2021 16:05	F&F 1	
Specimen wt (g):			
8.27			
Analysis Method:		Instrument Used:	
TM-010 Filth and Foreign Material		Electronic Balance	

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Roy Sorensen - Lab Director

05/18/2021 13:40

Date Time

Certificate of Analysis

Order # : 2105HTB0002	Receipt Date : 5/3/2021 12:05	Product Name : Pangaia CBD Oil
Order Date : 5/3/2021	Completion Date : 5/5/2021 12:05	Description : Full Spectrum 1000mg CBD
Sample # : 2105HTB0002-001	Initial Gross Weight : 8.27 g	Matrix : Extract (Non-Inh)
Sampling Date : 5/3/2021 00:05	Sampling Method : LAB-025 Sample Receiving	

Client : Pangaia CBD	Batch Client # : MTL-20210503	Seed to Sale # : N/A	Cultivation Facility : N/A
Address : 8411 W. Oakland Park Blvd	Batch Date : 5/3/2021	Lot ID : MTL-20210503	Cultivation Date : 5/3/2021
Address : Sunrise, FL 33351	Extracted From : N/A	Cultivars : N/A	Production Facility : N/A
		Test Reg State : Hemp FL	Production Date : 5/3/2021

HEAVY METALS PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Lead	20.7	500	< LOQ	Pass
Arsenic	26.2	1500	ND	Pass
Cadmium	18.9	500	ND	Pass
Mercury	28.4	3000	ND	Pass

Sample Prepared By : 010	Date/Time : 5/3/2021 15:16	Sample Analyzed By : 010	Date/Time : 5/4/2021 11:08
Batch Reviewed By : 006	Date/Time : 5/4/2021 13:47	Analysis # : NoCalc	
Specimen wt (g) : 0.5120		Dilution : 250	
Analysis Method : TM-006 Heavy Metals		Instrument Used : ICP-MS	

RESIDUAL SOLVENTS PASSED

Analyte	LOD (mg/kg)	Action Level (mg/kg)	Result (mg/kg)	Status
Acetone	15.2	750	< LOQ	Pass
Acetonitrile	10.3	60	< LOQ	Pass
Benzene	0.1	1	ND	Pass
Butane	22.5	5000	ND	Pass
Chloroform	0.1	2	ND	Pass
1,2-Dichloroethane	0.2	8	ND	Pass
1,1-Dichloroethene	0.3	2	ND	Pass
Ethanol	17.8		< LOQ	N/A
Ethyl acetate	15.3	400	ND	Pass
Ethyl ether	18.9	500	ND	Pass
Ethylene oxide	0.2	5	ND	Pass
Heptane	29.4	5000	ND	Pass
Hexane	27.1	250	ND	Pass
Isopropyl alcohol	15.4	500	< LOQ	Pass
Methanol	22.9	250	ND	Pass
Methylene chloride	0.1	125	ND	Pass
Pentane	27.6	750	ND	Pass
Propane	17.6	5000	ND	Pass
Trichloroethylene	0.1	25	ND	Pass
Toluene	22.6	150	ND	Pass
Total xylenes	20.0	150	ND	Pass

Sample Prepared By : 005	Date/Time : 5/3/2021 15:49	Sample Analyzed By : 005	Date/Time : 5/4/2021 8:42
Batch Reviewed By : 006	Date/Time : 5/4/2021 10:06	Analysis # : RSA 1	
Specimen wt (g) : 0.2515		Dilution : 6.2	
Analysis Method : TM-005 Residual Solvents		Instrument Used : HS-GCMS	

TOTAL CONTAMINANT LOAD

Analyte	Action Level (mg/kg)	Result (mg/kg)	Status
Heavy Metals/Pesticides	30	0.06	Pass

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Order Date: 5/3/2021 **Completion Date:** 5/5/2021 12:05 **Description:** Full Spectrum 1000mg CBD
Sample # 2105HTB0002-001 **Initial Gross Weight:** 8.27 g **Matrix:** Extract (Non-Inh)
Sampling Date: 5/3/2021 00:05 **Sampling Method:** LAB-025 Sample Receiving

Client: Pangaia CBD **Batch Client #:** MTL-20210503 **Seed to Sale #:** N/A **Cultivation Facility:** N/A
Address: 8411 W. Oakland Park Blvd **Batch Date:** 5/3/2021 **Lot ID:** MTL-20210503 **Cultivation Date:** 5/3/2021
Address: Sunrise, FL 33351 **Extracted From:** N/A **Cultivars:** N/A **Production Facility:** N/A
Test Reg State: Hemp FL **Production Date:** 5/3/2021

PESTICIDES

PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status	Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Abamectin	14.3	300	ND	Pass	Acephate	8.4	3000	ND	Pass
Acequinocyl	14.4	2000	ND	Pass	Acetamiprid	9.3	3000	ND	Pass
Aldicarb	11.4	100	ND	Pass	Azoxystrobin	14	3000	ND	Pass
Bifenazate	14.3	3000	ND	Pass	Bifenthrin	11.1	500	ND	Pass
Boscalid	13.1	3000	ND	Pass	Captan	13.3	3000	ND	Pass
Carbaryl	14.2	500	ND	Pass	Carbofuran	8.4	100	ND	Pass
Chlorantraniliprole	26.4	3000	ND	Pass	Chlordane	10	100	ND	Pass
Chlorfenapyr	6.8	100	ND	Pass	Chlormequat chloride	23.1	3000	ND	Pass
Chlorpyrifos	15.6	100	ND	Pass	Clofentezine	13.6	500	ND	Pass
Coumaphos	8.5	100	ND	Pass	Cyfluthrin	8.7	1000	ND	Pass
Cypermethrin	11	1000	ND	Pass	Daminozide	13.5	100	ND	Pass
Diazinon	11.2	200	ND	Pass	Dichlorvos	14.4	100	ND	Pass
Dimethoate	15.1	100	ND	Pass	Dimethomorph	16.7	3000	ND	Pass
Ethoprophos	14.7	100	ND	Pass	Etofenprox	9.4	100	ND	Pass
Etoxazole	11.2	1500	ND	Pass	Fenhexamid	13.7	3000	ND	Pass
Fenoxycarb	14.4	100	ND	Pass	Fenpyroximate	12.9	2000	ND	Pass
Fipronil	12.3	100	ND	Pass	Fonicamid	12.8	2000	ND	Pass
Fludioxonil	12.5	3000	ND	Pass	Hexythiazox	12.7	2000	ND	Pass
Imazalil	14.4	100	ND	Pass	Imidacloprid	28.6	3000	ND	Pass
Kresoxim-methyl	10	1000	ND	Pass	Malathion	19.2	2000	ND	Pass
Metalaxyl	12.2	3000	ND	Pass	Methiocarb	14.6	100	ND	Pass
Methomyl	9.6	100	ND	Pass	Methyl parathion	9.1	100	ND	Pass
Mevinphos	11.4	100	ND	Pass	Myclobutanil	11.4	3000	ND	Pass
Naled	15.1	500	ND	Pass	Oxamyl	7.8	500	ND	Pass
Paclobutrazol	12.4	100	ND	Pass	Pentachloronitrobenzene	8.4	200	ND	Pass
Permethrin	9.7	1000	ND	Pass	Phosmet	12.6	100	ND	Pass
Piperonylbutoxide	8	3000	ND	Pass	Prallethrin	13.2	400	ND	Pass
Propiconazole	14.6	1000	ND	Pass	Propoxur	8.7	100	ND	Pass
Pyrethrins	25.0	1000	ND	Pass	Pyridaben	12.4	3000	ND	Pass
Spinetoram	12.2	3000	ND	Pass	Spinosad A and D	11.8	3000	ND	Pass
Spiromesifen	14.9	3000	ND	Pass	Spirotetramat	13.5	3000	ND	Pass
Spiroxamine	14.7	100	ND	Pass	Tebuconazole	13	1000	ND	Pass
Thiacloprid	8.2	100	ND	Pass	Thiamethoxam	13.4	1000	ND	Pass
Trifloxystrobin	7	3000	ND	Pass					

Sample Prepared By: 005 Date/Time: 5/4/2021 8:50 Specimen wt (g): 0.2609 Dilution: 125 Analysis # GC Pest 1
Sample Analyzed By: 005 Date/Time: 5/4/2021 8:57 Analysis Method: TM-003 Pesticides
Batch Reviewed By: 011 Date/Time: 5/4/2021 15:47 Instrument Used: GC/MS/MS
Sample Prepared By: 005 Date/Time: 5/4/2021 8:50 Specimen wt (g): 0.2609 Dilution: 125 Analysis # Pest
Sample Analyzed By: 005 Date/Time: 5/4/2021 8:57 Analysis Method: TM-002 Pesticides and Mycotoxins
Batch Reviewed By: 011 Date/Time: 5/4/2021 15:47 Instrument Used: LC/MS/MS

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