

Prepared for:

BREATH(e) 1200mg Tincture

KYOTO BOTANICALS


Batch ID or Lot Number: 21315009	Test: Potency	Reported: 11/17/21	Location: 3868 STAGECOACH RD N UNIT H LONGMONT, CO 80504
--	-------------------------	------------------------------	--


Matrix: Unit	Test ID: T000176085	Started: 11/16/21	USDA License: N/A
-----------------	------------------------	----------------------	----------------------

Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 11/12/2021 @ 09:17 AM	Sampler ID: N/A
----------------	--	------------------------------------	--------------------

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	3.833	12.732	ND	ND	# of Servings = 1 Sample Weight=28.5g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.326	14.370	41.743	1.46	
Cannabidiolic acid (CBDA)	5.701	15.220	ND	ND	
Cannabidiol (CBD)	5.558	14.840	1389.097	48.74	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	4.763	15.823	6.793*	0.24*	
Cannabinolic Acid (CBNA)	2.728	9.061	ND	ND	
Cannabinol (CBN)	1.248	4.145	6.298	0.22	
Cannabigerolic acid (CBGA)	3.998	13.281	ND	ND	
Cannabigerol (CBG)	0.956	3.177	32.447	1.14	
Tetrahydrocannabivarinic Acid (THCVA)	3.381	11.230	ND	ND	
Tetrahydrocannabivarin (THCV)	0.870	2.890	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.378	6.349	ND	ND	
Cannabidivarin (CBDV)	1.315	3.510	3.586	0.13	
Cannabichromenic Acid (CBCA)	1.541	5.118	ND	ND	
Cannabichromene (CBC)	1.685	5.596	119.569	4.20	
Total Cannabinoids			1599.533	56.12	
Total Potential THC**			41.743	1.46	
Total Potential CBD**			1389.097	48.74	


Hannah Wright
17-Nov-2021
06:42 PM


Daniel Weidensaul
17-Nov-21
6:45 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (CBDa *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02


Prepared for:

BREATH(e) 1200mg Tincture
KYOTO BOTANICALS

Batch ID or Lot Number: 21315009	Test: Microbial Contaminants	Reported: 11/15/21	Location: 3868 STAGECOACH RD N UNIT H LONGMONT, CO 80504
Matrix: Finished Product	Test ID: t000176087	Started: 11/12/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 11/12/2021 @ 09:17 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	

 Brett Hudson
11/15/2021
2:00:00 PM

 Brianne Maillot
11/15/2021
4:50:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:
 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02


Prepared for:

BREATH(e) 1200mg Tincture
KYOTO BOTANICALS

Batch ID or Lot Number: 21315009	Test: Pesticides	Reported: 11/17/21	Location: 3868 STAGECOACH RD N UNIT H LONGMONT, CO 80504
Matrix: Concentrate	Test ID: T000176086	Started: 11/16/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 11/12/2021 @ 09:17 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	38	ND	Fenoxycarb	33	ND	Paclobutrazol	34	ND
Acetamiprid	31	ND	Fipronil	36	ND	Permethrin	294	ND
Avermectin	238	ND	Flonicamid	35	ND	Phosmet	32	ND
Azoxystrobin	33	ND	Fludioxonil	297	ND	Prophos	269	ND
Bifenazate	33	ND	Hexythiazox	31	ND	Propoxur	37	ND
Boscalid	29	ND	Imazalil	270	ND	Pyridaben	293	ND
Carbaryl	32	ND	Imidacloprid	33	ND	Spinosad A	27	ND
Carbofuran	34	ND	Kresoxim-methyl	150	ND	Spinosad D	52	ND
Chlorantraniliprole	25	ND	Malathion	272	ND	Spiromesifen	256	ND
Chlorpyrifos	500	ND	Metalaxyl	36	ND	Spirotetramat	273	ND
Clofentezine	288	ND	Methiocarb	34	ND	Spiroxamine 1	16	ND
Diazinon	279	ND	Methomyl	35	ND	Spiroxamine 2	20	ND
Dichlorvos	269	ND	MGK 264 1	151	ND	Tebuconazole	282	ND
Dimethoate	35	ND	MGK 264 2	112	ND	Thiacloprid	31	ND
E-Fenpyroximate	275	ND	Myclobutanil	30	ND	Thiamethoxam	35	ND
Etofenprox	32	ND	Naled	43	ND	Trifloxystrobin	33	ND
Etoxazole	282	ND	Oxamyl	1500	ND			


 Sam Smith
 11/17/2021
 4:42:00 PM


 Daniel Weidensaul
 11/17/2021
 5:02:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



Certificate #4329.02


Prepared for:

BREATH(e) 1200mg Tincture
KYOTO BOTANICALS


Batch ID or Lot Number: 21315009	Test: Metals	Reported: 11/17/21	Location: 3868 STAGECOACH RD N UNIT H LONGMONT, CO 80504
Matrix: Unit Co	Test ID: T000176088	Started: 11/16/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 11/12/2021 @ 09:17 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.043 - 4.32	ND	
Cadmium	0.044 - 4.40	ND	
Mercury	0.043 - 4.34	ND	
Lead	0.042 - 4.23	ND	


 Daniel Weidensaul
 17-Nov-21
 1:38 PM

PREPARED BY / DATE


 Sam Smith
 17-Nov-21
 1:41 PM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02

Prepared for:


BREATH(e) 1200mg Tincture
KYOTO BOTANICALS

Batch ID or Lot Number: 21315009	Test: Residual Solvents	Reported: 11/17/21	Location: 3868 STAGECOACH RD N UNIT H LONGMONT, CO 80504
Matrix: N/A	Test ID: T000176089	Started: 11/17/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 11/12/2021 @ 09:17 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	112 - 2235	*ND	
Butanes (Isobutane, n-Butane)	226 - 4517	*ND	
Methanol	63 - 1266	*ND	
Pentane	86 - 1721	*ND	
Ethanol	88 - 1755	*ND	
Acetone	100 - 2004	*ND	
Isopropyl Alcohol	105 - 2094	*ND	
Hexane	6 - 122	*ND	
Ethyl Acetate	101 - 2016	*ND	
Benzene	0.2 - 4.1	*ND	
Heptanes	96 - 1915	*ND	
Toluene	18 - 364	*ND	
Xylenes (m,p,o-Xylenes)	131 - 2629	*ND	


 Hannah Wright
 17-Nov-21
 4:48 PM


 Sam Smith
 17-Nov-21
 4:51 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02


Prepared for:

BREATH(e) 1200mg Tincture
KYOTO BOTANICALS


Batch ID or Lot Number: 21315009	Test: Mycotoxins	Reported: 11/18/21	Location: 3868 STAGECOACH RD N UNIT H LONGMONT, CO 80504
Matrix: Concentrate	Test ID: T000176090	Started: 11/17/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 11/12/2021 @ 09:17 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.2 - 127.7	ND	N/A
Aflatoxin B1	1 - 31.5	ND	
Aflatoxin B2	0.9 - 31.4	ND	
Aflatoxin G1	1 - 30.6	ND	
Aflatoxin G2	0.9 - 30.7	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Sam Smith
 18-Nov-21
 8:42 AM

PREPARED BY / DATE


 Courtney Richards
 18-Nov-21
 4:45 PM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



ACCREDITED