

DH_CBDA_EXTRACT_120919.2

Batch ID:	HPCP_C19100028.02	Test ID:	5922529.006
Reported:	27-Dec-2019	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL

 Karen Winternheimer 27-Dec-2019 4:28 PM	 David Green 27-Dec-2019 4:32 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

DH_CBDA_EXTRACT_120919.3

Batch ID:	HPCP_C19100028.02	Test ID:	1007932.019
Reported:	23-Dec-2019	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	None Detected

* CFU/g = Colony Forming Unit per Gram



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

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:

Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected
Coliforms: None Detected

FINAL APPROVAL


Robert Belfon
23-Dec-2019
4:35 PM
David Green
23-Dec-2019
5:53 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

DH_CBDA_EXTRACT_120919.4

Batch ID:	HPCP_C19100028.02	Test ID:	1939710.003
Reported:	27-Dec-2019	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	47 - 2177	ND*	Malathion	47 - 2177	ND*
Acetamiprid	47 - 2177	ND*	Metalaxyl	282 - 2177	ND*
Avermectin	282 - 2177	ND*	Methiocarb	47 - 2177	ND*
Azoxystrobin	47 - 2177	ND*	Methomyl	47 - 2177	ND*
Bifenazate	47 - 2177	ND*	MGK 264 1	47 - 2177	ND*
Boscalid	282 - 2177	ND*	MGK 264 2	282 - 2177	ND*
Carbaryl	47 - 2177	ND*	Myclobutanil	282 - 2177	ND*
Carbofuran	47 - 2177	ND*	Naled	282 - 2177	ND*
Chlorantraniliprole	47 - 2177	ND*	Oxamyl	47 - 2177	ND*
Chlorpyrifos	282 - 2177	ND*	Paclobutrazol	47 - 2177	ND*
Clofentezine	47 - 2177	ND*	Permethrin	282 - 2177	ND*
Diazinon	47 - 2177	ND*	Phosmet	47 - 2177	ND*
Dichlorvos	282 - 2177	ND*	Prophos	282 - 2177	ND*
Dimethoate	47 - 2177	ND*	Propoxur	282 - 2177	ND*
E-Fenproximate	282 - 2177	ND*	Pyridaben	282 - 2177	ND*
Etofenprox	282 - 2177	ND*	Spinosad A	47 - 2177	ND*
Etoxazole	282 - 2177	ND*	Spinosad D	282 - 2177	ND*
Fenoxycarb	47 - 2177	ND*	Spiromesifen	47 - 2177	ND*
Fipronil	282 - 2177	ND*	Spirotetramat	282 - 2177	ND*
Flonicamid	47 - 2177	ND*	Spiroxamine 1	47 - 2177	ND*
Fludioxonil	282 - 2177	ND*	Spiroxamine 2	47 - 2177	ND*
Hexythiazox	282 - 2177	ND*	Tebuconazole	47 - 2177	ND*
Imazalil	282 - 2177	ND*	Thiacloprid	47 - 2177	ND*
Imidacloprid	47 - 2177	ND*	Thiamethoxam	47 - 2177	ND*
Kresoxim-methyl	47 - 2177	ND*	Trifloxystrobin	282 - 2177	ND*

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

N/A

FINAL APPROVAL


 Sam Smith
 27-Dec-2019
 6:39 AM
 PREPARED BY / DATE


 Greg Zimpfer
 27-Dec-2019
 8:39 AM
 APPROVED BY / DATE

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