



## CERTIFICATE OF ANALYSIS

**Client:** The Hydrophocary  
**Client Sample ID:** LOT339THC2018

**Report ID:** 273414

**RPC Sample ID:** 273414-1

**Report Date:** 07-Jun-2018

**Matrix:** Oil

Test Description	Method Reference	Tolerance Limit	Result
Total Aerobic Bacteria Count	MFHPB-18	≤ 50000 cfu/g	Pass
Total Yeast and Mould Count	MFHPB-22	≤ 500 cfu/g	Pass
Bile-Tolerant Gram Negative Bacteria	USP <62>	< 100 MPN/g	Pass
E.coli	USP <62>	0/1 g	Pass
Salmonella	MFHPB-20	0/25 g	Pass
Aflatoxin B1	OAS-SV19 (Immuno Affinity/HPLC)	< 5 ng/g	Pass
Total Aflatoxins (sum of B1, B2, G1, G2)	USP40 <561>Method III	< 10 ng/g	Pass
Cadmium	SOP 4.M26 / 4.M01	< 1 mg/kg	Pass
Lead	(Microwave Digestion ICP-MS)	< 5 mg/kg	Pass
Arsenic	EPA 3051a / 200.8		
Mercury	SOP 4.M52 / 4.M53 (Cold Vapour AAS) EPA 245.6	< 0.1 mg/kg	Pass
Pesticides	OAS-SV28 USP40 <561>	< Reporting Limits	Pass
Residual Ethanol	OAS-SV22 USP40 <467>	< 0.5 %	Pass

Cannabinoid Profile	Method Reference	Tolerance Limit	Result
THC (Delta-9-Tetrahydrocannabinol)	OAS-SV21 (HPLC)	≤ 30 mg/mL Total THC	2.12
THCA(Delta-9-Tetrahydrocannabinolic acid)	Recommended Methods for the Identification and Analysis of Cannabis and Cannabis Products- United Nations Office on Drugs and Crime		ND
CBD (Cannabidiol)			52.2
CBDA (Cannabidiolic acid)			< 0.50
Total THC (THCA x 0.877 + THC)			2.12
Total CBD (CBDA x 0.877 + CBD)			52.2

Terpene Profile	Method Reference	Tolerance Limit	Result
Alpha pinene	OAS-SV23 (GC-MSD)	No Tolerance Limit % w/w	< 0.01
Beta pinene			< 0.01
Myrcene			< 0.01
Limonene			0.02
Terpinolene			< 0.01
Linalool			< 0.01
Terpineol			< 0.01
Caryophyllene			0.02
Humulene			< 0.01

This report relates only to the sample and information provided to the laboratory.

Tolerance limits are provided by, and are the responsibility of, the Licensed Producer. Result of "pass" indicates that the test result meets the specified tolerance limit.

Bruce Phillips, Department Head  
Organic Analytical Services, RPC

Troy Smith, Lab Supervisor  
Organic Analytical Services, RPC



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### Pesticide List (Reporting Limit in µg/g)

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DDT and metabolites (0.4)	Alachlor (0.2)	Aldrin (0.2)	BHC-3 isomers (0.4)
Azinphos-ethyl (0.4)	Azinphos-methyl (0.4)	Bifenazate (0.01)	Bifenthrin (0.4)
Boscalid (0.01)	Bromophos-ethyl (0.2)	Bromophos-methyl (0.2)	Bromopropylate (0.8)
cis-Chlordane (0.2)	trans-Chlordane (0.2)	Oxychlordane (0.2)	Chlorfenvinphos (2)
Chlorpyrifos-ethyl (0.4)	Chlorpyrifos-methyl (0.4)	Chlorthal-dimethyl (0.4)	Cyhalothrin (4)
Cyfluthrin (4)	Cypermethrin and isomers (4)	Diazinon (2)	Diieldrin (0.2)
Dimethoate / Omethoate (0.2)	Dithiocarbamates (0.6)	Endosulfan I (0.4)	Endosulfan II (0.4)
Endosulfan sulfate (0.8)	Endrin (0.2)	Ethion (0.4)	Etrimphos (0.4)
Fenchlorophos (0.4)	Fensulfothion and metab. (0.2)	Fenthion and metabolites (2)	
Fenvalerate (6)	Flucythrinate (2)	Fluopyram (0.01)	Tau-Fluvalinate (2)
Fonophos (1)	Heptachlor (0.2)	Heptachlor Epoxide (0.2)	Imazalil (0.01)
Malathion and Malaaxon (0.4)	Mecarbam (0.2)	Methamidiphos (0.2)	Methidathion (0.8)
Methoxychlor (0.4)	Monocrotophos (0.2)	Myclobutanil (0.01)	Parathion-ethyl (2)
Paraoxon-ethyl (2)	Pendimethalin (0.4)	Pentachloranisol (0.4)	Permethrin and isomers (4)
Phosalone (0.2)	Phosmet (0.2)	Piperonyl butoxide (0.2)	Primiphos-ethyl (0.2)
Primiphos-methyl (0.4)	Procymidone (0.4)	Profenophos (0.2)	Pyraclostrobin (0.01)
Pyrethrins (6)	Quinalphos (0.4)	Quintozene (0.4)	S-421 (0.4)
Tebuconazole (0.01)	Tecnazene (0.2)		