



CERTIFICATE OF ANALYSIS

Client: The Hydropharmacy
Client Sample ID: Lot 254

Report ID: 250135

RPC Sample ID: 250135-7

Report Date: 13-Oct-2017

Matrix: Dried Cannabis

| Test Description | Method Reference | Tolerance Limit | Result |
|--|---|--------------------|--------|
| Total Aerobic Bacteria Count | MFHPB-18 | ≤ 500000 cfu/g | Pass |
| Total Yeast and Mould Count | MFHPB-22 | ≤ 50000 cfu/g | Pass |
| Bile-Tolerant Gram Negative Bacteria | USP <62> | < 10000 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) USP40 | < 5 ng/g | Pass |
| Total Aflatoxins (sum of B1, B2, G1, G2) | <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 | < 0.2 mg/kg | Pass |
| Mercury | SOP 4.M52 / 4.M53 (Cold Vapour AAS) EPA 245.6 | < 0.1 mg/kg | Pass |
| Pesticides | OAS-SV24 USP40 <561> | < Reporting Limits | Pass |

| Cannabinoid Profile | Method Reference | Tolerance Limit | Result |
|---|---|-----------------------------|--------|
| THC (Delta-9-Tetrahydrocannabinol) | OAS-SV21 | No Tolerance Limit % w/w | 0.59 |
| THCA(Delta-9-Tetrahydrocannabinolic acid) | Recommended Methods for the Identification and Analysis of Cannabis and Cannabis Products- United Nations Office on Drugs and Crime | | 18.3 |
| CBD (Cannabidiol) | | | ND |
| CBDA (Cannabidiolic acid) | | | 0.05 |
| Total THC (THCA x 0.877 + THC) | | | 16.6 |
| Total CBD (CBDA x 0.877 + CBD) | | | < 0.07 |

This report relates only to the sample(s) 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)

| | | | |
|---------------------------------|--------------------------------|-----------------------|-------------------------------|
| DDT and metabolites (0.1) | Alachlor (0.05) | Aldrin (0.05) | BHC-3 isomers (0.1) |
| Azinphos-ethyl (0.1) | Azinphos-methyl (0.1) | Bifenazate (0.01) | Bifenthrin (0.1) |
| Bromophos-ethyl (0.05) | Bromophos-methyl (0.05) | Bromopropylate (0.2) | cis-Chlordane (0.05) |
| trans-Chlordane (0.05) | Oxychlordane (0.05) | Chlorfenvinphos (0.5) | Chlorpyriphos-ethyl (0.1) |
| Chlorpyriphos-methyl (0.1) | Chlorthal-dimethyl (0.1) | Cyhalothrin (1) | Cyfluthrin (1) |
| Cypermethrin and isomers (1) | Diazinon (0.5) | Dieldrin (0.05) | Dimethoate / Omethoate (0.05) |
| Dithiocarbamates (2) | Endosulfan I (0.1) | Endosulfan II (0.1) | Endosulfan sulfate (0.2) |
| Endrin (0.05) | Ethion (0.1) | Etrimphos (0.1) | Fenchlorophos (0.1) |
| Fensulfothion and metab. (0.05) | Fenthion and metabolites (0.5) | Fenvalerate (1.5) | Flucythrinate (0.5) |
| Tau-Fluvalinate (0.5) | Fonophos (0.25) | Heptachlor (0.05) | Heptachlor Epoxide (0.05) |
| Imazalil (0.01) | Malathion and Malaoxon (0.1) | Mecarbam (0.05) | Methamidiphos (0.05) |
| Methidathion (0.2) | Methoxychlor (0.1) | Monocrotophos (0.05) | Myclobutanil (0.01) |
| Parathion-ethyl (0.5) | Paraoxon-ethyl (0.5) | Pendimethalin (0.1) | Pentachloranisol (0.1) |
| Permethrin and isomers (1) | Phosalone (0.05) | Phosmet (0.05) | Piperonyl butoxide (0.05) |
| Primiphos-ethyl (0.05) | Primiphos-methyl (0.1) | Procymidone (0.1) | Profenophos (0.05) |
| Pyrethrins (3) | Quinalphos (0.1) | Quintozene (0.1) | S-421 (0.1) |
| Tebuconazole (0.01) | Tecnazene (0.05) | | |