

### HEMP FARMS COLORADO

#### Sample Information

Sample Name	HFC Bio
METRC #	1A400071267E6AD0000000574
Sample Type	Concentrate
Sample Received	2/9/2017
Sample Tested	2/13/2017

Organism	Test Result	Pass/Fail
<i>Salmonella spp.</i>	-	PASS
<i>STEC (E. coli)</i>	-	PASS
Total Yeast and Mold	<2,000 CFU/g	PASS

#### Other Notes:

## Biocontaminant Testing

The Colorado Department of Revenue - Marijuana Enforcement Division (MED) currently requires biocontaminant analysis of retail cannabis flower, marijuana products, and water- and food-based concentrates. This biocontaminant testing aims to ensure consumer safety in cannabis products from harmful health effects associated with these biocontaminants. The biocontaminant limits enforced by MED Rule R 712 are as follows and are expressed in terms of Colony Forming Units (CFUs):

<i>Organism</i>	<i>Regulatory Limit</i>
<i>Escherichia coli (STEC)</i>	<1 CFU/g of product
<i>Salmonella</i> species	<1 CFU/g
Total Yeast and Mold	10,000 CFU/g

## Rm3 Labs Biocontaminant Testing Methods

At Rm3 Labs we use a combination of microbiological plating and Quantitative Real-Time Polymerase Chain Reaction (qPCR) to detect potential pathogens in cannabis samples. This qPCR technology is a rapid DNA based detection method which allows us to quantify bacterial pathogens based on their unique DNA sequences and is extensively used in clinical diagnostics, food pathogen testing, and pharmaceutical contaminant testing. Additionally, we can grow and identify other contaminant organisms found in cannabis samples at our client's request.

## The Limitations of our Test Methods

We do not test an entire "batch" of product; we only test the sample provided by the client. When testing cannabis samples, we ask for as representative a sample as possible; however, it is possible that the product received by an end consumer may be materially different from the sample we've tested.

Rm3 Labs only tests for biocontaminant organisms specified in the MED contaminant testing regulations and therefore other contaminants may be present other than those listed in this report.

There are currently no standardized protocols for medical marijuana testing in the U.S. As a result, each lab uses its own procedures and results from different labs may not be directly comparable.

Results of our tests, and this report, may be used or displayed only by the client and only in connection with the batch of product from which the test sample was taken. By submitting a sample for analysis, the client has indicated that the product from which the sample has been taken is being held by the client in full compliance with Colorado state and local medical marijuana laws, and such product or any product made therefrom will only be offered for sale in compliance with such laws.