

12025 NE Marx St. Portland, OR 97220  
503-253-3511 / www.greenleaflab.org

Green Leaf Lab proudly follows  
ISO/IEC 17025:2005(E) Quality Standards

## Cheesy Dick PHO

*Dreadneck Concentrates*

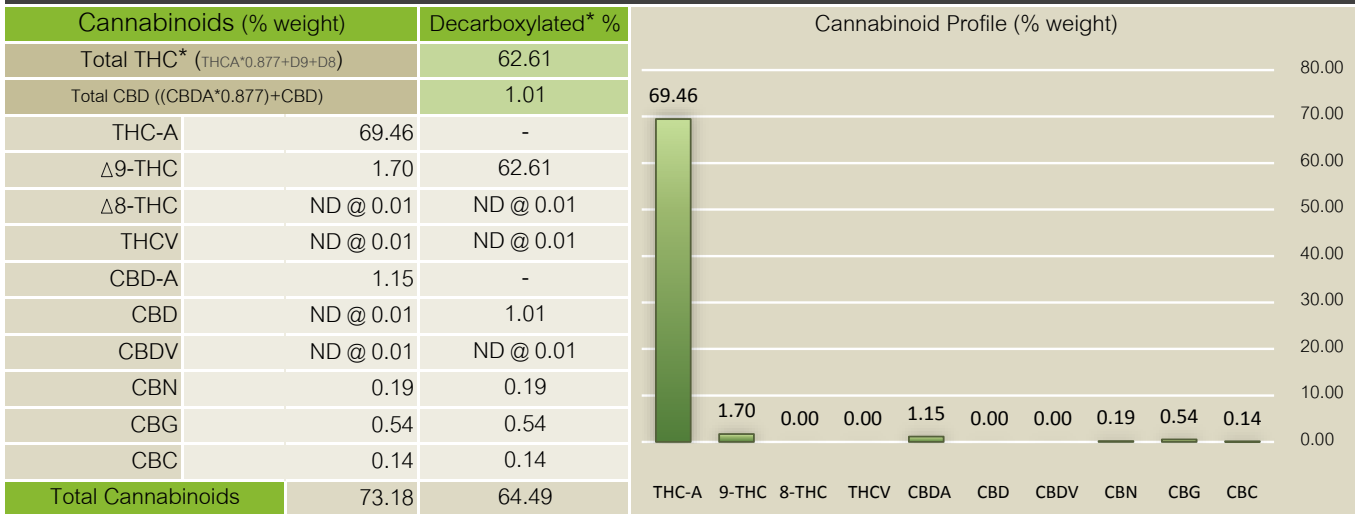
Sample ID S123010 Matrix: Concentrate  
Date Accepted: 11/10/15 Date Analyzed: 11/17/15  
Sampling Method Laboratory Sampled Batch

Analysis Methods  
Potency via HPLC  
Pesticide via GC-MS / ELISA  
Mold & Mildew via Plate Culture

Instruments  
HP Agilent 1100 Series  
Analysts  
PMH/AKH/EEW

Testing in compliance with Oregon State Law and OAR 333-0081190

### Potency Analysis

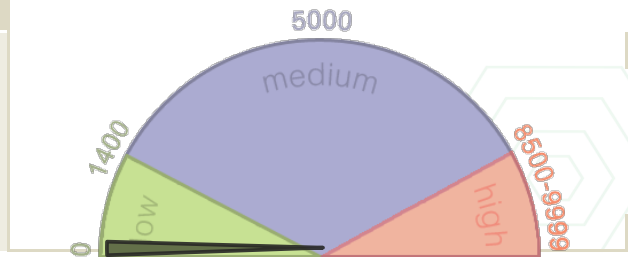


\*The HPLC measures cannabinoids in both their acidic and activated form; these values represent the potential total activated cannabinoids.

### Mold and Mildew Screen

|                |     |       |
|----------------|-----|-------|
| Total Colonies | <10 | CFU/g |
|----------------|-----|-------|

This color coded gauge represents the sample's colony forming units per gram (CFU/g) and how it compares to flowers tested at Green Leaf Lab. This is not a doctor's recommendation and is only a tool for helping compare your sample to CFU/g values observed in the lab. The larger size of the medium range indicates that the majority of samples fall within the 1400-8500 range. A CFU/g of 10,000 or above does not comply with Oregon State law.



### Pesticide Analysis

|                          |          |     |
|--------------------------|----------|-----|
| Pyrethroids              | ND @ 0.1 | ppm |
| Organophosphates         | ND @ 0.1 | ppm |
| Carbamates               | ND @ 0.1 | ppm |
| Chlorinated Hydrocarbons | ND @ 0.1 | ppm |
| Total Pesticide Content  | ND @ 0.1 | ppm |

#### Definitions

ND: not detected  
ppm: parts per million,  
CFU/g: colony forming units per gram

Kevin Hounshell, Laboratory Director



Scan this QR code for more information about your lab report.



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Date Accepted: 11/10/15 Date Analyzed: 11/17/15  
Sampling Method: Laboratory Sampled Batch

Analysis Methods  
Terpenes via GC-MS

Instruments  
HP 5890 / HP 5972  
Analysts  
PMH/AKH/EEW

| Terpene Analysis       |                    |                 |             |
|------------------------|--------------------|-----------------|-------------|
| Monoterpenes           | Results in Percent | Results in mg/g |             |
| Camphene               | 0.000%             | ND @ 0.01       | mg/g        |
| δ 3-Carene             | 0.000%             | ND @ 0.01       | mg/g        |
| p-Cymene               | 0.000%             | ND @ 0.01       | mg/g        |
| Eucalyptol             | 0.000%             | ND @ 0.01       | mg/g        |
| Fenchone               | 0.056%             | 0.56            | mg/g        |
| Geraniol               | 0.000%             | ND @ 0.01       | mg/g        |
| Isopulegol             | 0.000%             | ND @ 0.01       | mg/g        |
| Limonene               | 0.271%             | 2.71            | mg/g        |
| Linalool               | 0.055%             | 0.55            | mg/g        |
| β-Myrcene              | 0.435%             | 4.35            | mg/g        |
| Nerol                  | 0.006%             | 0.06            | mg/g        |
| β-Ocimene              | 0.000%             | ND @ 0.01       | mg/g        |
| α-Pinene               | 0.054%             | 0.54            | mg/g        |
| β-Pinene               | 0.096%             | 0.96            | mg/g        |
| Pulegone               | 0.000%             | ND @ 0.01       | mg/g        |
| α-Terpinene            | 0.000%             | ND @ 0.01       | mg/g        |
| γ-Terpinene            | 0.000%             | ND @ 0.01       | mg/g        |
| Terpinolene            | 0.000%             | ND @ 0.01       | mg/g        |
| Sesquiterpenes         |                    |                 |             |
| α-Bisabolol            | 0.550%             | 5.50            | mg/g        |
| β-Caryophyllene        | 0.422%             | 4.22            | mg/g        |
| Caryophyllene Oxide    | 0.890%             | 8.90            | mg/g        |
| Guaiol                 | 0.074%             | 0.74            | mg/g        |
| α-Humulene             | 0.293%             | 2.93            | mg/g        |
| Nerolidol              | 0.679%             | 6.79            | mg/g        |
| Valencene              | 0.189%             | 1.89            | mg/g        |
| <b>Total Terpenes:</b> | <b>4.070%</b>      | <b>40.70</b>    | <b>mg/g</b> |

### About your terpene profile

Terpenes are aromatic molecules found in plant resins. They are not only responsible for the many unique smells of Cannabis, but they accentuate the holistic effect of cannabinoids as well. Terpene profiles can be utilized to quantify strong flavor, identify different strains and achieve therapeutic benefits.

Green Leaf Lab's terpene analysis quantifies the 25 most common terpenes found in Cannabis sativa. Terpenes are generally divided into two chemical classifications: Monoterpenes and sesquiterpenes.

#### Monoterpenes:

All of the monoterpenes are very similar in chemical structure, containing 10 carbons and 6 hydrogens. Although, they are similar, the varying arrangements produce distinct aromas. Changes such as oxidation and rearrangement produce monoterpene derivatives which will have a different chemical formula.

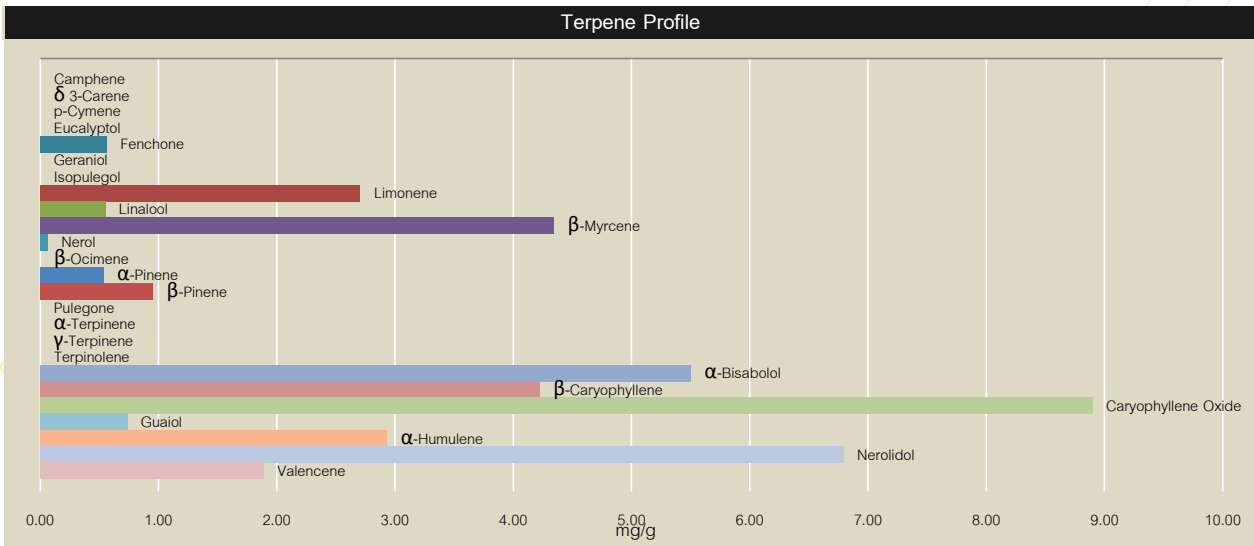
Monoterpenes are more volatile than sesquiterpenes; the aromas tend to be stronger and they are more prone to being lost by heating and oxidation.

Myrcene and Limonene are examples of an acyclic and cyclic monoterpene, respectively. They both share a basic structure containing a backbone of 10 carbon atoms, however arranged uniquely.

#### Sesquiterpenes:

The sesquiterpenes are a more complex class of terpenes. They are also generally aromatic, but are also heavier and less volatile. Thus, they often remain after some of the more volatile monoterpenes have broken down under heat or oxidation.

These two common terpenes have quite varied structure and different therapeutic properties. For more on the individual terpenes we test for, see our "Interpreting Test Results" document.



Rowshan Reordan

Managing Partner, Laboratory Official

Test results only valid for samples collected

Reports shall not be repeated except in full

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## Purple Hindu Kush PHO

*Dreadneck Concentrates*

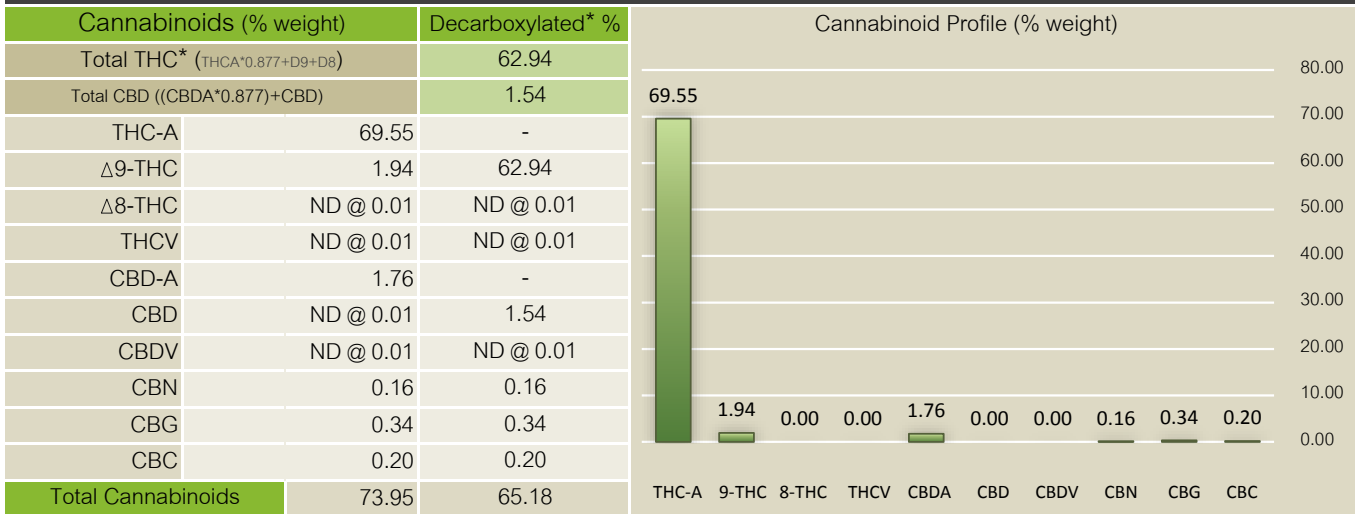
Sample ID S123042 Matrix: Concentrate  
Date Accepted: 11/10/15 Date Analyzed: 11/17/15  
Sampling Method Laboratory Sampled Batch

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Pesticide via GC-MS / ELISA  
Mold & Mildew via Plate Culture

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Analysts  
PMH/AKH/EEW

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### Potency Analysis

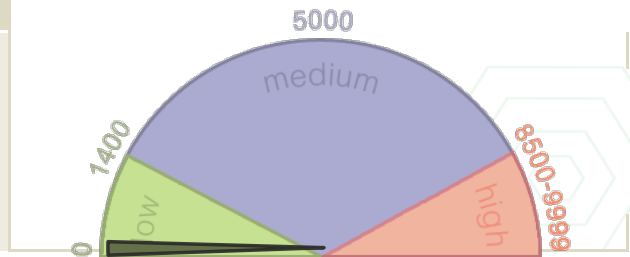


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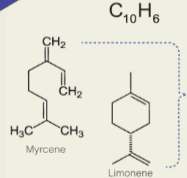
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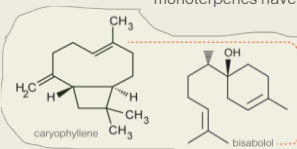


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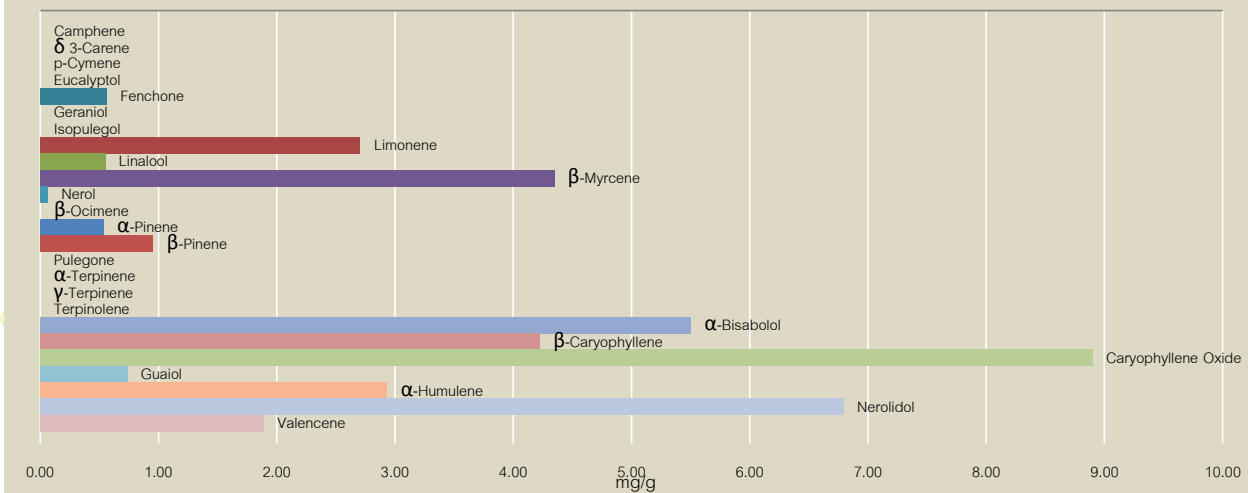
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### Terpene Profile



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Managing Partner, Laboratory Official