



THANK YOU FOR SUPPORTING YOUR
COMMUNITY!

The purpose of these tests is to better educate producers and consumers of their product's tryptamine levels to ensure proper and safe use of fungal medicines as a form of harm reduction within our communities.

By submitting a sample or samples you agree with the outcome of all data produced from these tests and released the data to be published for public benefit. Procedures and data are experimental and by submitting for testing you are funding the research and robustness of the procedures.

SOCIAL MEDIA:

[@oakland_hyphae](#)
[@hyphaelabs](#)



WEBSITE:

<https://oaklandhyphae510.com>
<https://hyphaelabs510.com>



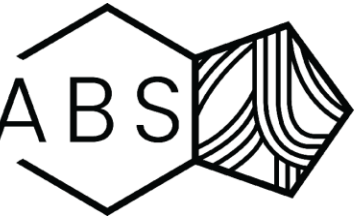
EMAIL:

Events: oaklandhyphae@gmail.com
Testing: info@hyphaelabs.org



HYPHAE LABS

OAKLAND BASED



IN-DEPTH REPORT

CLIENT: COAST2COAST

- Name: Melmac Example
- Species: *Psilocybe cubensis*
- Cultivar: Homestead Penis Envy
- Harvested: None provided.
- Submitter Notes:
None provided.

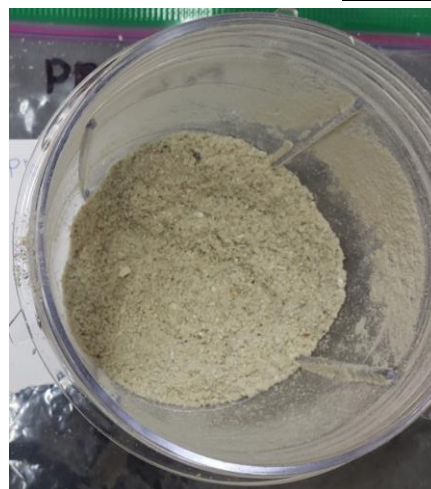
IMAGES

As Delivered



Mild bruising, thick, round, striated, varying stipes. Brown shimmering, wrinkled large caps, veils open.

Homogenized



Very fine to fine particle size, tan/light fluffy, snowy powder. Nutty, chocolate smell.

General Procedure:

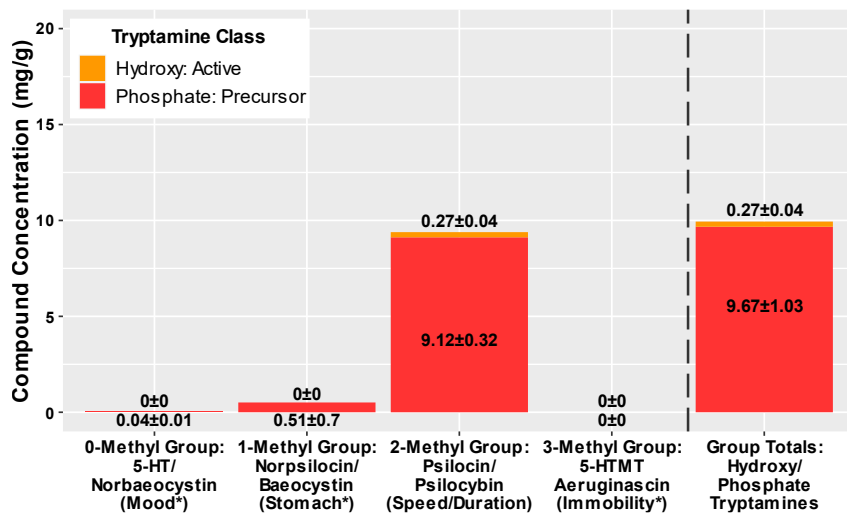
We receive your sample and immediately document it into our system, noting size, veil-break, and numerous other cultivator provided information. We homogenize the sample and weigh out a representative portion of the sample for analysis. Once extracted, the sample is analyzed in comparison to Certified Reference Materials (CRMs) to determine quantities of the tryptamines included in this report. We compare multiple absorbance wavelengths to establish analyte peak purity.

After establishing mg/g of all tryptamines of interest, we utilize normalization: a scaling technique in which data points are shifted and rescaled so that they end up in a range of 0.00 to 10.00. This prevents PCB from masking the profiles of the other tryptamines. We are then able to compare each sample's tryptamine profiles to point consumers and cultivators towards possible uses for the fruit; we call this our Hyphae Spectrum™ Analysis.

According to a few different sources^{1,2}, expected potency and high-end potency for most *Psilocybe cubensis* are around 6.8mg/g PCB. This can be utilized to understand dosing. An average 70kg person will be likely to have a 'breakthrough' experience with 25-30mg of PCB³. Thus, 5g of a fruit that contains 6mg of Total Tryptamines should reach that 30mg threshold of active compounds.

1 Stamets, P. (1993) *Growing Gourmet and Medicinal Mushrooms*. Ten Speed Press, Berkeley, 39.
 2 Gotvaldová, K., et al (2020). Stability of psilocybin and its four analogs in the biomass of the psychotropic mushroom *Psilocybe cubensis*. *Drug Testing and Analysis*, 13(2), 439–446.
 3 Griffiths RR, Johnson MW, Richards WA, Richards BD, McCann U, Jesse R. Psilocybin occasioned mystical-type experiences: immediate and persisting dose-related effects. *Psychopharmacology (Berl)*. 2011 Dec;218(4):649-65. doi: 10.1007/s00213-011-2358-5. Epub 2011 Jun 15.

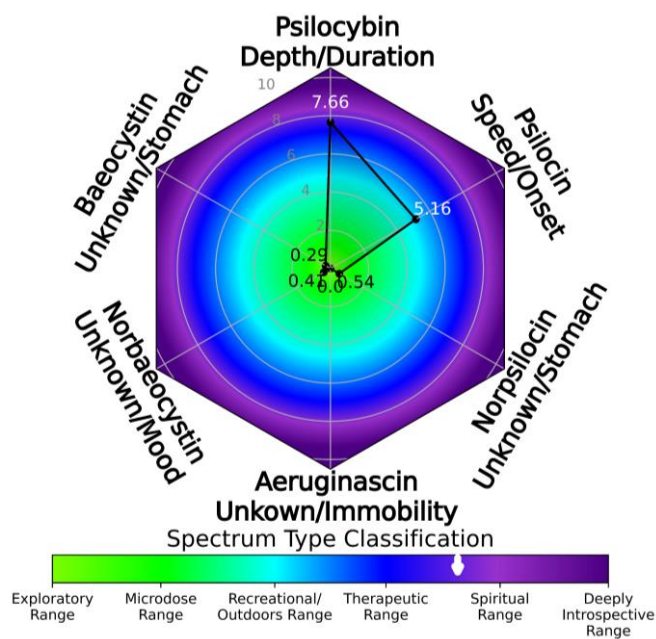
HPLC ANALYSIS



Unknown Peak Observations:

Four (4) non-referenced peaks in the Phosphate Tryptamine Range RTs: 2.054, 2.365, 3.018, 4.131. Six (6) non-referenced peaks in the Hydroxy Tryptamine Range RTs: 6.380, 6.979, 7.177, 8.153, 9.279, 9.431. No non-referenced peaks observed in the Beta-Carboline Range.

HYPHAE SPECTRUM™ ANALYSIS



Dosage Analysis Notes:

Based on total tryptamine content (9.94mg/g), this sample would be optimal for Recreational/Outdoors use. A 200mg capsule would likely contain 1.99mg of active tryptamines; 3.5g of fruit would likely contain about 34.8mg of active tryptamines; and 5.0g of fruit would likely contain about 49.7mg of active tryptamines.