

# CERTIFICATE OF ANALYSIS



ALKEMIST LABS

Knowing the product you purchased was tested to ensure it matches the content and quality represented on the product label is a crucial step when it comes to taking effective, safe natural products. This Certificate of Analysis demonstrates the testing results for the product lot contained in your bottle.



## Material Tested

**Dioscorea villosa**  
For: (MFG Brand Name)  
Lot #: 4976

Latin Name: Dioscorea villosa, L [Dioscoreaceae]  
Description: Whole/dry; powder  
Plant Part: Rhizome  
AL #: 19063BNM\_1 / Plate #: 115808

### What We've Tested



We tested the sample sent against a known authenticated reference material of the same genus and species to confirm identity.



## Conclusion



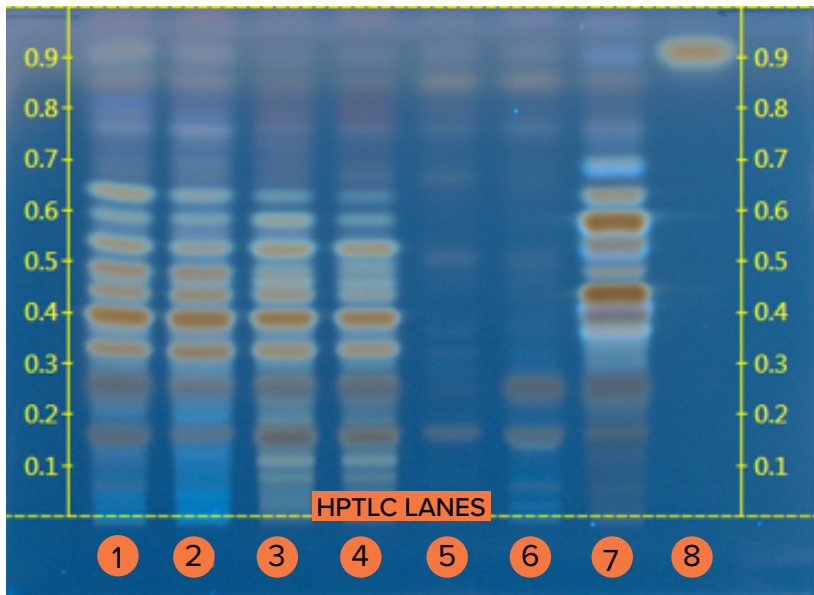
Test results show that this sample is confirmed to have characteristics consistent with **Dioscorea villosa** rhizome.

We tested the sample against different parts of the same plant to confirm identity.



## Test Details

### High Performance Thin-Layer Chromatography



### Understanding the HPTLC Test

Lane 4 is the sample being tested.

Lanes 1, 2, 3, 5, 6 & 7 are the reference materials used to compare with the sample.

Correctly identifying the plant and the plant part is important, because two similar but not identical species or different plant parts can have completely different safety and efficacy profiles.

We tested the sample against known adulterants in the supply chain.

Designed HPTLC methodology and interpreting results is a highly specialized skill. Alkemist has over 20 years of experience.

