

CERTIFICATE OF ANALYSIS

Product Name: Type 90 Hop Pellets

Lot Number: P92-ZKUCEN5171

Variety: Centennial

Crop Year: 2016

 Characteristic
 Typical Analysis
 Actual Analysis

 Alpha Acids:
 2.5 - 17.5% (w/w)
 8.9%

 LCV by EBC Analytica V 7.5

 Oil by Distillation:
 Varies by Variety
 1.1%

 ASBC Hops - 13 (%v/w)
 1.1%

Oil Profile by GC, EBC Analytica V 7.12: B-Pinene: 0.9 % Farnesene: 0.2%

Myrcene: 44.9 % Humulene: 15.6% Linalool: 0.9 % Geraniol: 2.0%

Caryophyllene: 7.4 %