

CERTIFICATE OF ANALYSIS

Product Name: Type 90 Hop Pellets

Lot Number: P91-AAUCAS0291

Variety: Cascade Crop Year: 2016

Characteristic Typical Analysis Actual Analysis

Alpha Acids: 2.5 - 17.5% (w/w) 6.2%

LCV by EBC Analytica V 7.5

Oil by Distillation: Varies by Variety 0.7%

ASBC Hops - 13 (%v/w)

Oil Profile by GC, EBC Analytica V 7.12: B-Pinene: 0.5 % Farnesene: 7.7%

Myrcene: 35.1 % Humulene: 20.3%

Linalool: 0.4 % Geraniol: 0.5%

Caryophyllene: 8.7 %