

CERTIFICATE OF ANALYSIS

Product Name: Type 90 Hop Pellets

Lot Number: P92-AKUCHI7190

Variety: Chinook Crop Year: 2017

<u>Characteristic</u> <u>Typical Analysis</u> <u>Actual Analysis</u>

Alpha Acids: 2.5 - 17.5% (w/w) 11.1%

LCV by EBC Analytica V 7.5

Oil by Distillation: Varies by Variety 1.4%

ASBC Hops - 13 (%v/w)

Oil Profile by GC, EBC Analytica V 7.12: B-Pinene: 0.5 % Farnesene: 0.3%

Myrcene: 32.5 % Humulene: 17.5%

Linalool: 0.4 % Geraniol: 0.8%

Caryophyllene: 8.0 %