

## CERTIFICATE OF ANALYSIS

Product Name: Type 90 Hop Pellets

Lot Number: P92-BLUWIL8216

Variety: Willamette

Crop Year: 2018

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

**Alpha Acids:** 2.5 - 17.5% (w/w) 5.0%

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: 0.4 % Farnesene: 7.8%

**Myrcene:** 29.4 % **Humulene:** 29.5% **Linalool:** 0.7 % **Geraniol:** 0.2%

Caryophyllene: 11.5 %