

CERTIFICATE OF ANALYSIS

Product Name: Type 90 Hop Pellets

Lot Number: P91-BLUVG13232

Variety: Amarillo® Brand, VGXP01, Unite

Crop Year: 2018

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

Alpha Acids: 2.5 - 17.5% (w/w) 7.9%

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: 0.7 % **Farnesene:** 6.5% **Myrcene:** 44.9 % **Humulene:** 19.7%

Linalool: 0.6 % Geraniol: 0.3%

Caryophyllene: 7.2 %