

## CERTIFICATE OF ANALYSIS

Product Name: Type 90 Hop Pellets

Lot Number: P91-BKUPAL3163
Variety: Palisade® Brand

Crop Year: 2018

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

Alpha Acids: 2.5 - 17.5% (w/w) 7.8%

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:** 0.3% **Myrcene:** 49.9 % **Humulene:** 15.0%

Linalool: 0.1 % Geraniol: 0.4%

Caryophyllene: 10.9 %