

CERTIFICATE OF ANALYSIS

Product Name: Type 90 Hop Pellets

Lot Number: P91-CEUCBS3337

Variety: Columbus

Crop Year: 2018

Production Date: June 2019 Best Use Before Date: June 2022

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

Alpha Acids: 2.5 - 17.5% (w/w) 11%

LCV by EBC Analytica V 7.5

Oil by Distillation: Varies by Variety 2.0%

ASBC Hops - 13 (%v/w)

Oil Profile by GC, EBC Analytica V 7.12:

B-Pinene: 0.8 % Farnesene: 0.1%

Myrcene: 30.9 % Humulene: 14.8% Linalool: 0.5 % Geraniol: 0.5%

Caryophyllene: 9.6 %