

CERTIFICATE OF ANALYSIS

Product Name: Leaf Hops, Packed

Lot Number: PR2-AKUCHI7040

Variety: Chinook Crop Year: 2017

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

Alpha Acids: 2.5 - 17.5% (w/w) 13.5%

LCV by EBC Analytica V 7.5

Oil by Distillation: Varies by Variety 1.9%

ASBC Hops - 13 (%v/w)

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

Myrcene: 34.1 % Humulene: 18.3%

Linalool: 0.5 % Geraniol: 0.9%

Caryophyllene: 8.7 %