

CERTIFICATE OF ANALYSIS

Product Name: Type 90 Hop Pellets

Lot Number: P92-ZAUNUG5189

Variety: Nugget Crop Year: 2015

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

Alpha Acids: 2.5 - 17.5% (W/W) 14.9%

LCV by EBC Analytica V 7.5

Oil by Distillation: Varies by Variety 2.3%

ASBC Hops - 13 (%v/w)

Oil Profile by GC, EBC Analytica V 7.12: B-Pinene: 0.6 % Farnesene: 0.1%

Myrcene: 46.7 % Humulene: 20.4% Linalool: 0.9 % Geraniol: 0.1%

Caryophyllene: 9.2 %