

CERTIFICATE OF ANALYSIS

Product Name: Type 90 Hop Pellets

Lot Number: P91-BJUVG13085 Variety: Amarillo® Brand

Crop Year: 2018

Characteristic	Typical Analysis	Actual Analysis
Alpha Acids:	2.5 - 17.5% (w/w) V by EBC Analytica V 7.5	7.7%
Oil by Distillation:	Varies by Variety ASBC Hops - 13 (%v/w)	1.3%
Oil Profile by GC, EBC Analytica V 7.12:	B-Pinene: 0.6 % Myrcene: 41.2 % Linalool: 0.6 % Caryophyllene: 8.1 %	Farnesene: 7.7% Humulene: 22.3% Geraniol: 0.2%