

CERTIFICATE OF ANALYSIS

Product Name:

Type 90 Hop Pellets

Lot Number:

P91-ZLULIB0225

Variety:

Liberty

Crop Year:

2016

Characteristic	Typical Analysis	Actual Analysis
Alpha Acids:	2.5 - 17.5% (w/w) LCV by EBC Analytica V 7.5	4.7%
Oil by Distillation:	Varies by Variety ASBC Hops - 13 (%v/w)	1.1%

Oil Profile by GC, EBC Analytica V 7.12:

B-Pinene: 0.4 % Farnesene: 0.3% Myrcene: 31.2 % Humulene: 35.4% 0.2%

Linalool: 0.9 %

Geraniol:

Caryophyllene: 10.9 %