

Certificate of Analysis

Product Name: Type 90 Hop Pellets

Lot Number: P91-ZJUZEU0092

Variety: Zeus

Crop Year: 2016

Production Date: October 2016

Best Use Before Date: October 2019

<u>Characteristic</u>	<u>Typical Analysis</u>	<u>Actual Analysis</u>
Alpha Acids:	2.5 - 17.5% (w/w) LCV by EBC Analytica V 7.5	14.4%
Oil by Distillation:	Varies by Variety ASBC Hops - 13 (%v/w)	2.3%
Oil Profile by GC, EBC Analytica V 7.12:	B-Pinene: 0.8 % Myrcene: 45.8 % Linalool: 0.4 % Caryophyllene: 9.3 %	Farnesene: 0.4 % Humulene: 13.4 % Geraniol: 0.3 %

Lead:	< 1.0 ppm	passes test
Arsenic:	< 0.5 ppm	passes test
Cadmium:	< 0.03 ppm	passes test
Total Heavy Metals:	< 10 ppm (asPb)	passes test

Selected Brewing Ingredients BV
Kraaiendonk 44
5428NZ Venhorst
Nederland