

Certificate of Analysis

Product Name:

Type 90 Hop Pellets

Lot Number:

P91-ZLUCLU0231

Variety:

Cluster

Crop Year:

2016

Production Date:

December 2016 December 2019

Characteristic

Best Use Before Date:

Actual Analysis Typical Analysis

Alpha Acids:

2.5 - 17.5% (w/w)

6.8%

LCV by EBC Analytica V 7.5

Oil by Distillation:

Varies by Variety ASBC Hops - 13 (%v/w) 0.6%

Oil Profile by GC, EBC Analytica V 7.12:

B-Pinene: 0.6 %

0.2 %

Myrcene: 44.5 %

Farnesene:

Humulene: 18.4 %

Linalool: 0.3 %

Geraniol: 0.5 %

Caryophyllene: 7.7 %

Lead:

< 1.0 ppm

passes test

Arsenic: Cadmium: < 0.5 ppm < 0.03 ppm passes test passes test

Total Heavy Metals:

< 10 ppm (asPb)

passes test

Selected Brewing Ingredients BV Kraaiendonk 44

5428NZ Venhorst Nederland