

## Certificate of Analysis

**Product Name:** Type 90 Hop Pellets

**Lot Number:** P91-ZLULIB0225

**Variety:** Liberty

**Crop Year:** 2016

**Production Date:** December 2016

**Best Use Before Date:** January 2020

<u>Characteristic</u>	<u>Typical Analysis</u>	<u>Actual Analysis</u>
<b>Alpha Acids:</b>	2.5 - 17.5% (w/w) LCV by EBC Analytica V 7.5	4.7%
<b>Oil by Distillation:</b>	Varies by Variety ASBC Hops - 13 (%v/w)	1.1%
<b>Oil Profile by GC, EBC Analytica V 7.12:</b>	<b>B-Pinene:</b> 0.4 % <b>Myrcene:</b> 31.2 % <b>Linalool:</b> 0.9 % <b>Caryophyllene:</b> 10.9 %	<b>Farnesene:</b> 0.3 % <b>Humulene:</b> 35.4 % <b>Geraniol:</b> 0.2 %

**Selected Brewing Ingredients BV**  
Kraaiendonk 44  
5428NZ Venhorst  
Nederland