

# Certificate of Analysis

**Product Name:** Type 90 Hop Pellets

**Lot Number:** P91-ZJULOR0111  
**Variety:** Loral™ HBC 291 cv.  
**Crop Year:** 2016

<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	11.3%
<b>Oil by Distillation:</b>	Varies by Variety ASBC Hops - 13 (%v/w)	1.7%
<b>Oil Profile by GC, EBC Analytica V 7.12:</b>	<b>B-Pinene:</b> 0.6 % <b>Myrcene:</b> 57.9 % <b>Linalool:</b> 1.2 % <b>Caryophyllene:</b> 5.4 %	<b>Farnesene:</b> 0.2 % <b>Humulene:</b> 18.2 % <b>Geraniol:</b> 0.6 %

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