

Certificate of Analysis

Product Name: LupuLN2™ Powder
Lot Number: PL1-ZJUSIM0008
Variety: Simcoe® Brand YCR 14 cv.
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	20.5%
Oil by Distillation:	Varies by Variety ASBC Hops - 13 (%v/w)	3.1%
Oil Profile by GC, EBC Analytica V 7.12:	B-Pinene: 0.9 % Myrcene: 63.8 % Linalool: 0.5 % Caryophyllene: 6.3 %	Farnesene: 0.2 % Humulene: 12.8 % Geraniol: 0.7 %

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