



# YAKIMA CHIEF HOPS™

Yakima Chief Hops SA  
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YAKIMA CHIEF HOPS

## Certificate of Analysis

**Supplier:** Yakima Chief Hops SA  
45, rue des Sablières/Unit 66  
1435 Mont-Saint-Guibert  
Belgium

**Date of Issue:** 02-Jan-2023

**Product Name:** Leaf Hops, Packed

**Lot Number:** WL1-HUCBS7035

**Variety:** Columbus

**Crop Year:** 2022

**Production Date:** October 2022

**Best Use Before:** October 2025

<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	16.9%
<b>Oil by Distillation:</b>	Varies by Variety ASBC Hops - 13 (%v/w)	3.4%

**Oil Profile by GC, EBC Analytica V 7.12:**

<b>B-Pinene:</b> 0.8 %	<b>Farnesene:</b> 0.1%
<b>Myrcene:</b> 56.9 %	<b>Humulene:</b> 10.6%
<b>Linalool:</b> 0.3 %	<b>Geraniol:</b> 0.5%
<b>Caryophyllene:</b> 7.8 %	

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

Missy Raver  
VP of Quality