



YAKIMA CHIEF HOPS™

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YAKIMA CHIEF HOPS LLC, Inc

Certificate of Analysis

Supplier: Yakima Chief Hops
306 Division Street
Yakima, WA 98902

Date of Issue: 17-Nov-2025

Product Name: Cryo Hops® Hop Pellets

Lot Number: ELN-CRYO-2572
Variety: Elani®
Crop Year: 2025
Production Date: November 2025
Best Use Before Date: November 2028

<u>Characteristic</u>	<u>Typical Analysis</u>	<u>Actual Analysis</u>
Alpha Acids:	5.0 - 30.0% (w/w) UV Spectro by ASBC HOPS - 6A	8.9%
Beta Acids:	5.0 - 20.0% (w/w) UV Spectro by ASBC HOPS - 6A	14.0%
Hop Storage Index	Varies by Variety and Time from Harvest Hop Storage Index by ASBC Hops - 12	0.234
Oil by Distillation:	Varies by Variety ASBC Hops - 13 (%v/w)	2.5

Oil Profile by GC, EBC Analytica V 7.12:	B-Pinene:	0.9 %	Farnesene:	4.7 %
	Myrcene:	58.6 %	Humulene:	14.4 %
	Linalool:	0.3 %	Geraniol:	0.2 %
	Caryophyllene:	5.7 %		

Lead:	< 0.6 ppm	passes test
Arsenic:	< 0.4 ppm	passes test
Cadmium:	< 0.1 ppm	passes test
Mercury:	< 0.05 ppm	passes test
Total Heavy Metals:	< 10 ppm (asPb)	passes test

Elvira Romero
Director, Global Quality Systems