



YAKIMA CHIEF HOPS SA, Inc.

Certificate of Analysis

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

Date of Issue: 18-Oct-2023

Product Name: Type 90 Hop Pellets

Lot Number: 23-338
Variety: Waimea™ Brand, HORT3953, N
Crop Year: 2023
Production Date: July 2023
Best Use Before: July 2026

<u>Characteristic</u>	<u>Typical Analysis</u>	<u>Actual Analysis</u>
Alpha Acids:	2.5 - 17.5% (w/w) UV Spectro by ASBC HOPS - 6A	14.9%
Beta Acids:	3.0 - 9.0% (w/w) UV Spectro by ASBC HOPS - 6A	6.4%
Hop Storage Index:	Varies by Variety and Time from Harvest Hop Storage Index by ASBC Hops - 12	0.250
Hop Storage Index:	Varies by Variety and Time from Harvest Hop Storage Index by ASBC Hops - 12	0.25
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


Missy Raver
Sr. VP Grower Relations, Quality & ERM