



YAKIMA CHIEF, Inc.



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V.A.T. BE 0469.147.032

Certificate of Analysis

SUPPLIER: YAKIMA CHIEF, INC.
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P.O. Box 209
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Tel: +1.509.839.90.22
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PRODUCT NAME: YC-Type 90 Hop Pellets

LOT NUMBER: P91-YANUG247
PRODUCT CODE: P90-4X5F-05K, 50-100-0128
VARIETY: Nugget

<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	15.3 %
OIL BY DISTILLATION:	Varies by Variety ASBC Hops - 13 (% v/w)	2.4 %
OIL PROFILE BY GC, EBC Analytica V 7.12:	B-Pinene: 0.5 % Myrcene: 49.7 % Linalool: 0.9 % Caryophyllene: 8.4 %	Farnesene: 0.0 % Humulene: 17.7 % Geraniol: 0.1 %
LEAD:	< 1.0 ppm	passes test
ARSENIC:	< 0.5 ppm	passes test
CADMIUM:	< 0.03 ppm	passes test
TOTAL HEAVY METALS:	< 10 ppm (as Pb)	passes test


Missy Raver
Quality Control Manager

This product was manufactured in a plant whose quality/environmental system is registered as being in conformity with ISO 9001:2008 and ISO 14001:2004.