



CERTIFICATE OF ANALYSIS

CUSTOMER NAME:
Lupulino, CZVARIETY:
CascadeCROP YEAR:
2021SALES ORDER NUMBER:
V83322 / V83327NET WT (kgs):
600**Description**

Hop Pellets are produced from raw hops and can be added to the kettle to provide bitterness and a hop character that is indistinguishable from that achieved using raw hops. Hop Pellets provide improved homogeneity, better storage stability and reduced storage/transport costs compared to raw hops.

Storage

Hop Pellets should be stored cool at 0 – 5 °C (32 - 41 °F). Pellets are best used within 3 years after processing. If stored at –20 °C (-4 °F), pellets should be used within 5 years. Foils, once opened, use within a few days.

Chemical Analysis

<u>Characteristic</u>	<u>Analysis Result</u>	<u>Method</u>
Alpha Acids	7,0 %	ASBC Spectrophotometric
HSI	0,301	ASBC Spectrophotometric
Oil Content	1,2 ml/100g.	ASBC Hops-13
Alpha Acids	6,6 %	EBC 7.4 LCV
Moisture	8,8 %	ASBC Hops-4C

FOIL MARKS:

CROP 2021
CASCADE
5-KG / 11-LB NET
BATCH NO. I-11133-1

CARTON MARKS:

CROP 2021
CASCADE TYPE 90 PELLETS
ALPHA 7,0% ASBC SPECTRO
SUPPLIER/PELLETISOR:
JOHN I. HAAS, INC.
DATE OF PELLETIZING: JAN 2022
BATCH NO. I-11133-1
20-KG / 44-LB CARTON (4 X 5-KG / 11-LB FOILS)
MADE IN THE USA

Pesticide residues are monitored in hop products under our new BarthHaas Quality Control Guarantee.
For more information on this program, please visit our website at, www.BarthHaas.com.

**Released By:**

Cheryl Kroll, Pellet Plant

Signature:**Date:**

February 16, 2022

Additional Information:

Batch No: I-11133-1

Grower Lot Nos.: 21-OR216-007	21-WA422-023
21-WA360-011	21-WA438-007
21-WA420-045	21-WA460-H022

Manufactured by John I. Haas, Inc., a member of the BarthHaas Group. 1600 River Rd., Yakima, WA 98902 Telephone: (509) 469-4000

