

# CERTIFICATE OF ANALYSIS

Our contract No.: V91439  
Customer Hops Connect Canada Inc., 1222 Franklin Street, V6A 1K1 VANCOUVER, CANADA

Variety DEH ANA                      Batch No. VA 22-183                      Crop 2022                      Manufacturing entity HOPFENVEREDLUNG

Product Hop Pellets Type 90                      Best Before Date 07.12.2025

## DESCRIPTION

Hop Pellets are a hop product added to the kettle to provide bitterness and a hop character that is indistinguishable from that achieved using raw hops. They can also be used post fermentation for dry hopping. Pellets provide improved homogeneity, better storage stability and reduced storage/transport costs compared to raw hops. Supported by a long history of safe use in brewing, and in accordance with US FDA regulation 21 CFR 170.30(c) and 170.3(f), hop pellets are generally recognized as safe (GRAS).

## STORAGE

Hop Pellets should be stored cool at 0 – 5 °C (32 - 41 °F).

## CHEMICAL ANALYSIS

Analysis Method	ASBC spectro	Analysis Date	07.12.2022
Alpha acids	8,90 %		
Beta Acids	5,70 %		
Hop Storage Index	0,275		
Transformation	5,00 %		
Water content	7,60 %	EBC 7.2	
Oil volumetric	1,45 ml/100g	EBC 7.10	



These hops have been tested in the framework of the BarthHaas Quality Control Guarantee and comply with the residue limits of the country of destination.

## ADDITIONAL INFORMATION

**Production Date** 07.12.2022

Nürnberg, 05.01.2023

BarthHaas GmbH & Co.KG