

CERTIFICATE OF ANALYSIS

| | | | | |
|----------------------|--------------------|-------------------------|-------------------|-----------------|
| PRODUCT NAME: | LOT NUMBER: | BEST BEFORE: | CROP YEAR: | VARIETY: |
| Type 90 Pellets | TX139 | 36 months March 2025 | 2022 | Ella |

Description

Type 90 Pellets are a hop product added to the kettle to provide bitterness and a hop character. 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

Store between 0-5°C.

| Characteristic | Specification | Value | Method |
|-------------------------|--------------------------------------|-------|--------------------------------------|
| Appearance | No Discoloured or rat-tailed pellets | Pass | Observation by Laboratory Technician |
| Alpha acids (%) | Value as determined | 17.4% | ASBC Spectros (Hops 6A) |
| Beta Acids (%) | Value as determined | 7.4% | ASBC Spectros (Hops 6A) |
| HSI (If Available) | Value as determined | 0.264 | ASBC Spectros (Hops 6A) |
| Volatile oils (ml/100g) | Value as determined | 2.5 | Steam Distillation |
| Moisture (%) | <=12 | 8.1% | Oven |

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



Prepared by:

Signature:

Production Date:

D. Reardon



26th April 2022

Additional information

This product is manufactured by Hop Products Australia, Bushy Park, Tasmania, Australia.