

## CERTIFICATE OF ANALYSIS

| PRODUCT NAME:   | LOT NUMBER: | BEST BEFORE:          | CROP YEAR: | VARIETY: |
|-----------------|-------------|-----------------------|------------|----------|
| Type 90 Pellets | MB030       | 36 months<br>May 2028 | 2025       | Galaxy   |

**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.

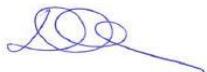
| Characteristic          | Specification                        | Value | Method                               |
|-------------------------|--------------------------------------|-------|--------------------------------------|
| Appearance              | No Discoloured or rat-tailed pellets | Pass  | Observation by Laboratory Technician |
| Alpha acids (%)         | Value as determined                  | 16.0% | ASBC Spectro (Hops 6A)               |
| Beta Acids (%)          | Value as determined                  | 9.2%  | ASBC Spectro (Hops 6A)               |
| HSI (If Available)      | Value as determined                  | 0.308 | ASBC Spectro (Hops 6A)               |
| Volatile oils (ml/100g) | Value as determined                  | 2.7   | Steam Distillation                   |
| Moisture (%)            | <=12                                 | 7.9%  | Oven                                 |

\*Analysis results provided on packaging uses NIR methodology.

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:**

D. Reardon

**Signature:****Production Date:**10<sup>th</sup> May 2025**Additional information**

This product is manufactured by Hop Products Australia, Myrtleford, Victoria, Australia.