

CERTIFICATE OF ANALYSIS

PRODUCT NAME:	LOT NUMBER:	BEST BEFORE:	CROP YEAR:	VARIETY:
Type 90 Pellets	TW151	36 months April 2024	2021	Topaz

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.

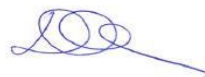
Characteristic	Specification	Value	Method
Appearance	No Discoloured or rat-tailed pellets	Pass	Observation by Laboratory Technician
Alpha acids (%)	Value as determined	19.7%	ASBC Spectros (Hops 6A)
Beta Acids (%)	Value as determined	6.3%	ASBC Spectros (Hops 6A)
HSI (If Available)	Value as determined	0.256	ASBC Spectros (Hops 6A)
Volatile oils (ml/100g)	Value as determined	1.8	Steam Distillation
Moisture (%)	<=12	7.7%	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



<u>Prepared by:</u>	<u>Signature:</u>	<u>Production Date:</u>
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D. Reardon



23rd April 2021

Additional information

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