

2025 HACCP REPORT

Agrichemical residue analysis

- Our agrichemical residue analyses are performed by Agrifood Technology Pty Ltd, Werribee, Victoria, Australia
- Agrifood Technology is accredited by the National Association of Testing Authorities (NATA) and is ISO:9001 certified.
- Agrifood Technology test for 307 Agrichemicals. The complete list of results is available upon request.
- As per the Barth-Haas Quality Control Guarantee for crop 2025 HPA analysed at least 1 sample for every 40 tonnes of hops harvested. All varieties and growing regions were represented in the samples tested.
- For crop 2025 we tested 44 samples
- For more Information about the Barth–Haas Quality Control Guarantee go to: [Quality | BarthHaas](#)

No agrichemical residues were detected above the “global best practice” MRL’s, established by the Barth-Haas Group in the crop 2024 hop pellet samples.

Heavy Metal analysis

- Our heavy metal analyses are performed by Analytical Services Tasmania (NATA)
- Arsenic, Lead, Cadmium, Mercury, Nickel, Copper, Iron, Selenium, Chromium, and Cobalt were analysed
- 21 samples are tested representing each growing region, product type and variety. Commercial variety results presented below.

Tasmania - Bales

| Variety | Farm or Region | As mg/kg | Cd mg/kg | Cr mg/kg | Co mg/kg | Cu mg/kg | Fe mg/kg | Pb mg/kg | Ni mg/kg | Se mg/kg | Hg mg/kg |
|---------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Cascade | Bushy Park | <1.8 | <0.9 | <0.9 | <0.9 | 2.6 | 63.7 | <0.9 | 1.0 | <4.5 | <0.02 |
| Enigma | Bushy Park | <1.8 | <0.9 | <0.9 | <0.9 | 4.7 | 81.3 | <0.9 | 1.8 | <4.5 | <0.02 |
| Galaxy | Bushy Park | <1.8 | <0.9 | <0.9 | <0.9 | 4.5 | 57.2 | <0.9 | 0.9 | <4.5 | <0.02 |
| Ella | Bushy Park | <1.8 | <0.9 | <0.9 | <0.9 | 3.8 | 67.0 | <0.9 | 1.3 | <4.5 | <0.02 |
| Galaxy | Edwards | <1.8 | <0.9 | <0.9 | <0.9 | 2.9 | 68.8 | <0.9 | <0.9 | <4.5 | <0.02 |

Victoria - Bales

| Variety | Farm | As mg/kg | Cd mg/kg | Cr mg/kg | Co mg/kg | Cu mg/kg | Fe mg/kg | Pb mg/kg | Ni mg/kg | Se mg/kg | Hg mg/kg |
|------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Eclipse | Rostrevor | <1.8 | <0.9 | <0.9 | <0.9 | 5.4 | 79.3 | <0.9 | 2.4 | <4.5 | <0.02 |
| Galaxy | Rostrevor | <1.8 | <0.9 | <0.9 | <0.9 | 5.3 | 69.3 | <0.9 | 2.7 | <4.5 | <0.02 |
| Galaxy | Buffalo River | <1.8 | <0.9 | <0.9 | <0.9 | 4.8 | 75.6 | <0.9 | 2.4 | <4.5 | <0.02 |
| Ella | Rostrevor | <1.8 | <0.9 | <0.9 | <0.9 | 5.4 | 75.8 | <0.9 | 2.6 | <4.5 | <0.02 |
| Topaz | Handcock | <1.8 | <0.9 | <0.9 | <0.9 | 4.5 | 85.8 | <0.9 | 1.4 | <4.5 | <0.02 |
| Vic Secret | Rostrevor | <1.8 | <0.9 | <0.9 | <0.9 | 3.5 | 88.2 | <0.9 | 1.6 | <4.5 | <0.02 |
| Vic Secret | Buffalo River | <1.8 | <0.9 | <0.9 | <0.9 | 4.0 | 58.7 | <0.9 | 3.5 | <4.5 | <0.02 |

Pellets

| Variety | Growing region | As mg/kg | Cd mg/kg | Cr mg/kg | Co mg/kg | Cu mg/kg | Fe mg/kg | Pb mg/kg | Ni mg/kg | Se mg/kg | Hg mg/kg |
|------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Eclipse | Victoria | <1.8 | <0.9 | <0.9 | <0.9 | 4.9 | 70.5 | <0.9 | 2.2 | <4.5 | <0.02 |
| Cascade | Tasmania | <1.8 | <0.9 | <0.9 | <0.9 | 3.0 | 111 | <0.9 | 1.0 | <4.5 | <0.02 |
| Galaxy | Victoria / Tasmania | <1.8 | <0.9 | <0.9 | <0.9 | 4.9 | 69.2 | <0.9 | 2.7 | <4.5 | <0.02 |
| Ella | Victoria / Tasmania | <1.8 | <0.9 | <0.9 | <0.9 | 4.4 | 73.8 | <0.9 | 1.8 | <4.5 | <0.02 |
| Topaz | Victoria | <1.8 | <0.9 | <0.9 | <0.9 | 4.0 | 99.5 | <0.9 | 1.2 | <4.5 | <0.02 |
| Vic Secret | Victoria | <1.8 | <0.9 | <0.9 | <0.9 | 4.1 | 76.5 | <0.9 | 2.4 | <4.5 | <0.02 |
| Enigma | Tasmania | <1.8 | <0.9 | <0.9 | <0.9 | 4.7 | 81.3 | <0.9 | 1.9 | <4.5 | <0.02 |

GMO and Allergenic Substances Declaration

We hereby confirm that all hops supplied by Hop Products Australia are neither genetically modified nor are the resulting hop products processed by using technology for genetically modified organisms (GMO's).

Therefore, all hops and hop products do not have to be marked as GMO-products according to existing regulations of Australia, (Australia and New Zealand food standards code, standard 1.5.2), European Union and other countries concerning food safety.

We also confirm that our hops and hop products are free from any of the allergens listed in the table below, nor do they contain any allergenic potential.

| Allergen | Contains |
|---|----------|
| Cereals containing gluten and their products, namely, wheat, rye, barley, and spelt and their hybridised strains other than where these substances are present in beer and spirits standardised in Australian food standards 2.7.2 and 2.7.5 respectively | No |
| Crustacea and their products | No |
| Egg and egg products | No |

| | |
|---|----|
| Fish and fish products | No |
| Milk and milk products | No |
| Tree nuts and sesame seeds and their products | No |
| Peanuts, lupins, soybeans, and their products | No |
| Added sulphites | No |



Katie Crane

Quality and Compliance Manager

1/10/2025