



## Certificate of analysis

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Certificate of analysis	ICA000454		
Product name	STERLING TYPE 90 BULK-INT PELLETS US	Crop year	2023
Raw hop batches	23-OR253-380,	Production date	18-Jan 2024
Finished good batch	PE01779	Best before date	18-Jan 2027

### Notes

Type	Description	Note
CoA Note	Description	Type 90 Pellets are produced from raw hops and can be added to the kettle to provide bitterness and a hop character that is indistinguishable from that achieved using raw hops. Hop Pellets provide improved homogeneity, better storage stability and reduced storage/transport costs compared to raw hops.
CoA Note	Storage	Type 90 Pellets should be stored cool at 0 – 5 °C (32 - 41 °F). Pellets are best used within 3 years after processing. If stored at –20 °C (-4 °F), pellets should be used within 5 years. Foils, once opened, use within a few days.
CoA Note	Pesticide Statement	Pesticide residues are monitored in hop products under our BarthHaas Quality Guarantee. For more information on this program, please visit our website at, <a href="http://www.BarthHaas.com">www.BarthHaas.com</a>

Test	Unit	Test value	Reference method
HSI	--	0.325	ASBC Hops-12
Total Oil	%	1.5	ASBC Hops-13
Beta-pinene	%	0.5	ASBC Hops-17
Caryophyllene	%	4.7	ASBC Hops-17
Citronellol	%	0.0	ASBC Hops-17
Farnesene	%	0.0	ASBC Hops-17
Geraniol	%	0.1	ASBC Hops-17
Humulene	%	31.8	ASBC Hops-17
Limonene	%	0.0	ASBC Hops-17
Linalool	%	0.0	ASBC Hops-17
Myrcene	%	46.5	ASBC Hops-17
Nerol	%	0.3	ASBC Hops-17
Moisture Oven	%	8.0	ASBC Hops-4C
Alpha, Spectro	%	7.3	ASBC Hops-6A
Beta, Spectro	%	5.2	ASBC Hops-6A

Release by	Date
Hannah Eyerly, Sr Lab Tech	February 23, 2024 2:42:11 PM