



Certificate of analysis

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Certificate of analysis	ICA000460		
Product name	CITRA® HBC 394 C.V. TYPE 90 BULK-INT PELLETS US	Crop year	2023
Raw hop batches	23-ID123-003,23-OR248-616,23-WA349-016,	Production date	09-Feb 2024
Finished good batch	PE01796	Best before date	09-Feb 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, www.BarthHaas.com

Test	Unit	Test value	Reference method
HSI	--	0.321	ASBC Hops-12
Total Oil	%	2.2	ASBC Hops-13
Beta-pinene	%	0.6	ASBC Hops-17
Caryophyllene	%	8.2	ASBC Hops-17
Citronellol	%	1.9	ASBC Hops-17
Farnesene	%	0.3	ASBC Hops-17
Geraniol	%	0.1	ASBC Hops-17
Humulene	%	11.2	ASBC Hops-17
Limonene	%	0.0	ASBC Hops-17
Linalool	%	0.0	ASBC Hops-17
Myrcene	%	53.5	ASBC Hops-17
Nerol	%	1.2	ASBC Hops-17
Moisture Oven	%	7.9	ASBC Hops-4C
Alpha, Spectro	%	13.8	ASBC Hops-6A
Beta, Spectro	%	3.9	ASBC Hops-6A

Release by	Date
Hannah Eyerly, Sr Lab Tech	February 23, 2024 2:54:30 PM