



Certificate of analysis

John I Haas, Inc.
1600 River Road
Yakima, WA 98902
USA
1(509) 469-4000

Certificate of analysis ICA005492
Product name PINEAPPLE PARADISE EUPHORICS™

Production date 11-Dec 2024
Best before date 12-Jun 2026

Finished good batch 25120502

Notes

Type	Description	Note
CoA Note	Product Description	EUPHORICS™ is an innovative flavor product from John I. Haas, Inc. (HAAS®) that provides a range of water-soluble, intense natural flavors designed from distilled essential oils found in hops and in other botanical sources. This versatile flavor tool can be used to complement the hop aroma in heavily hopped beers or as a building block in any other beer style or beverage.
CoA Note	Storage	Store the product in refrigerated conditions. Do not freeze. When stored under refrigeration (35 – 46 °F / 2 - 8 °C), in airtight sealed containers, EUPHORICS™ is stable for up to 12 months. To preserve freshness, the product should not be stored at ambient temperature (71.6 °F/22 °C) for more than 3 months. For open containers, we recommend blanketing the headspace with nitrogen gas before resealing. Once opened, keep containers refrigerated and use within 1 month.
CoA Note	HACCP Statement	Product sample tested for heavy metals and lead on an annual basis per John I. Haas HACCP program, to ensure conformance with internal specifications.
CoA Note	Sensory Statement	John I. Haas, Inc. maintains a trained sensory program whose members undergo a minimum of 30 hours per year of training. This panel is utilized for the qualitative and quantitative evaluation of hops and hop products. Its role at JIH involves producing true-to-type evaluations and sensory profiles for all raw materials contracted by and all innovative products produced by JIH.

Test	Unit	Test value	Reference method
Specific Gravity	---	1.03	QCM 07.04
pH	pH	3.4	pH Meter
Viscosity	mPas	20.3	Viscometer
VisAppearance	---	Meets	---
True-To-Type	---	Meets	---

Release by	Date
Hannah Eyerly, Sr Lab Tech	January 8, 2026 2:03:00 PM