



PRODUCT SPECIFICATION

PRODUCT NAME:

XanoHop® Gold

Statement of Conformance

BetaTec® Hop Products, a wholly owned subsidiary of John I. Haas, Inc., guarantees that all lots of XanoHop® Gold produced after the issue/revision date meet the following specifications.

Description

XanoHop® Gold contains xanthohumol, extracted from hops using US FDA approved solvents, and concentrated into a powder. XanoHop® Gold can be added to food, nutritional, or pharmaceutical products.

Storage

XanoHop® Gold should be stored below 5 °C (41 °F) or less, out of light and packaged under inert conditions.

Regulatory Information

XanoHop® Gold is produced in manufacturing premises according to appropriate standards of Good Manufacturing Practices (GMP), namely US FDA's Code of Federal Regulations 21 CFR Part 110.

<u>Characteristic</u>	<u>Specification</u>	<u>Method</u>
Appearance:	Yellow to brown powder	Visual
Taste/Odor:	Characteristic of hops	Sensory
Identification (HPLC):	Meets test	HPLC
Assay, as Xanthohumol (w/w):	minimum of 70.0%	JIH HPLC Method using external calibration standards XN (370nm)
Heavy Metals:	Less than 20 ppm	ICP-MS*
Lead:	Less than 5 ppm	ICP-MS*

*Inductively Coupled Plasma – Mass Spectroscopy

This product is manufactured on behalf of BetaTec® by John I. Haas, Inc., Yakima, Washington USA

efficient by nature®

The information herein is given in good faith and relates only to the specific material designated. It does not relate to use in combination with any other material or in any process. Responsibility for use is disclaimed since this is beyond our control.

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