



PRODUCT SPECIFICATION

PRODUCT NAME:

IsoStab®

Statement of Conformance

BetaTec® Hop Products guarantees that all lots of IsoStab® produced after the revision date meet the following specification.

Description

IsoStab® is a proprietary aqueous formulation of a hop extract. It is produced from a CO₂ extract of hops.

Storage

Store at 2 - 25 °C, (36 - 77 °F), preferably cool. Keep container closed, out of direct sunlight and prevent from freezing, (above 0 °C/32 °F)

Regulatory Information

IsoStab® is classified by the U.S. FDA as a modified hop extract in accordance with regulation 21CFR 172.560(b)(2-5).

<u>Characteristic</u>	<u>Specification</u>	<u>Method</u>
Appearance:	Yellow/amber liquid	Visual
Identification (HPLC):	Meets test	HPLC
Assay, As hop acids by HPLC (w/w):	28.0% - 32.0%	HPLC method
pH:	8.0 – 10.0	pH meter
Lead:	Less than 1 ppm	ICP(1)
Cadmium:	Less than 1 ppm	ICP(1)
Chromium:	Less than 1 ppm	ICP(1)
Arsenic:	Less than 1 ppm	ICP(1)
Mercury:	Less than 1 ppm	AFS(2)

(1) Inductively Coupled Plasma

(2) Atomic Fluorescence Spectrometry

This product is manufactured on behalf of BetaTec® by Barth-Haas UK, Ltd. Paddock Wood, U.K. and 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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