



PRODUCT SPECIFICATION

PRODUCT NAME:

BetaStab® 10A

Statement of Conformance

BetaTec® Hop Products guarantees that all lots of BetaStab® 10A produced after the revision date meet the following specification.

Description

BetaStab® 10A is a proprietary aqueous formulation of hop acids. It is produced from a CO₂ extract of hops.

Storage

Store at 5 – 25 °C (41 – 77 °F). Keep container closed and out of direct sunlight and prevent from freezing, (above 0 °C/32 °F)

Regulatory Information

Hops and hop extracts are general recognized as safe (GRAS) in accordance with the US FDA regulation 21 CFR 182.20.

<u>Characteristic</u>	<u>Specification</u>	<u>Method</u>
Appearance:	Amber/brown liquid ⁽¹⁾	Visual
Identification (HPLC):	Meets test	HPLC
Assay, As β-acids by HPLC (w/w):	9.5% - 10.5%	HPLC method
pH:	10.0 – 11.5	pH meter
Lead:	Less than 1 ppm	ICP ⁽²⁾
Cadmium:	Less than 1 ppm	ICP ⁽²⁾
Chromium:	Less than 1 ppm	ICP ⁽²⁾
Arsenic:	Less than 1 ppm	ICP ⁽²⁾
Mercury:	Less than 1 ppm	AFS ⁽³⁾

(1) Some precipitation may occur

(2) Inductively Coupled Plasma

(3) 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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