



PRODUCT SPECIFICATION

PRODUCT NAME:

LactoStab®

Statement of Conformance

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

Description

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

Storage

Store at 15 – 25 °C (59 – 77 °F). Keep container closed and out of direct sunlight

Regulatory Information

LactoStab® is classified by the U.S. FDA as a modified hops extract in accordance with regulation 21 CFR 172.560(b) (6).

| <u>Characteristic</u> | <u>Specification</u> | <u>Method</u> |
|---|----------------------|---------------|
| Appearance: | Yellow/amber liquid | Visual |
| Identification (HPLC): | Meets test | HPLC |
| Assay, As hop bitter acids by HPLC (w/w): | 8.5% - 9.5% | HPLC method |
| pH: | 8.5 – 11.0 | 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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