



BetaStab® 10-A

A Natural Processing Aid for Sugar Production



Trusted, natural, effective bacterial control

For more than 10 years, BetaTec® Hop Products has been trusted within the sugar beet industry as the source for naturally-derived biocides. Extracted from the hop plant, BetaStab® 10-A is a natural processing aid to control bacteria in sugar beets and thick juice. The addition of BetaStab® 10-A to the sugar during the extraction process has the following benefits in bacterial control:

- Reduces sugar loss from the bacterial metabolism of sugar.
- Reduces lactic acid, a by-product of sugar metabolism by *Lactobacilli*, and helps maintain higher juice pH.
- Reduces the production of nitrites, a by-product of sugar metabolism by nitrate reducing bacteria. Nitrites can react with sulfur dioxide to form sulfonic acid, leading to a higher ash content in crystalized sugar.
- Reduces the prevalence of spore forming bacteria whose spores can be carried through to the crystalized sugar.
- By controlling *Leuconostoc*, in addition to reducing sugar loss, the sugar metabolite dextran is reduced. Dextran can “thicken” the juice and causes sugar crystal elongation.

BetaStab® 10-A offers additional advantages to the sugar processor:

- Natural food ingredient.
- Cost effective.
- Very safe to use.
- Non-corrosive.
- Beet pulp is suitable for animal feed.
- Molasses is suitable for fermentation applications.
- Does not cause juice discoloration.
- Successfully used in all types of diffusers and mills.
- Delays onset of bacterial degradation when added to thick juice in storage.

Effective in sugar cane production

Building upon this success in the sugar beet industry, BetaTec® has also shown BetaStab® 10-A to be effective in sugar cane processing. Many of the advantages noted above in the sugar beet application are reproduced in sugar cane processing.



Packaging

BetaStab® 10-A is available in convenient packaging including:

- 20 kg pails
- 200 kg drums
- 1020 kg totes
- Bulk tankers

For orders in the United States, contact:



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