

MELZER

SANTREAT MZ[®] S1600

QUATERNARY BIOCIDES FOR SUGAR MILLS

Santreat MZ S 1600 is a broad-spectrum microbiocide for the effective control of bacteria that cause sucrose losses, formation of troublesome slimes and bad odour during the manufacture of cane sugar.

Stored, as also warm sugarcane juice is a perfect medium for growth of bacteria, which consume sugar. Bacteria mainly proliferate in the piping and weigh tanks through which the juice passes and become a major cause of loss of sugar yield. Dosage of Santreat MZ S 1600 is recommended in sugarcane juice to minimize this loss.

Features

- Destroys a broad spectrum of bacteria and fungi at low concentration
- Prevents inversion of sugar by bacteria.
- Increases purity.
- Controls slime formation and odour.
- Acts against enzymes released by microbes.
- Reduces corrosion of mill equipment.
- Improves clarification and pan boiling.
- Reduces need for frequent cleaning.
- It is highly surface active in nature, quick action.
- Stable at high temperature up to 100°C and pH range from 4 to 10.
- Easy to dose and handle.
- Long shelf life.

Technical Data

Appearance.....Clear colourless to pale yellow liquid.
pH (as is).....6.0 to 10.0
Density.....8.0 to 10.0
Solubility.....Dissolves in water in all proportion.

Uses

Santreat MZ S 1600 is highly effective against troublesome bacteria like *Leuconostoc mesenteroides* commonly found in sugar mill processing systems. Inversion losses are reduced by the use of Santreat MZ S 1600, which reflects in increased recovery of commercial sugar.

Santreat MZ S 1600 is normally added to the cane juice at a point or points, whereby the microbiocide can get quickly distributed in the bulk and circulate to all parts of the grinding

equipment, screens and pipes with which the juice comes in contact. Usually it is fed to the juice from the second last mill.

Dosage

Dosage would depend on the overall hygiene conditions, severity of microbial fouling and the degree of control desired in individual sugar mills. However, it has been found that about 4-5 ppm (4-5 gm per ton of sugarcane juice) of Santreat MZ S 1600 is sufficient to control the bacterial growth normally encountered.

Feeding

Santreat MZ S1600 should be fed continuously at the desired dosage. It can be fed directly as is, or can be diluted with water and fed at the designated feed points.

Packing

Santreat MZ S 1600 is available in 35 and 50 kg HDPE carboys.

Handling

Santreat MZ S 1600 may cause skin and eye irritation. It is harmful if taken internally. In case of contact, immediately flush the area with plenty of water.

All technical data, recommendations and services are accurate to the best of our knowledge and are based on current information. Seller assumes no responsibility for the results obtained or damages incurred from their use by the Buyer in whole or in part, no warranty, including those merchantability or fitness for a particular purpose, is expressed or implied, since the method of handling, application and use of this product is beyond our control. There are no warranties, which extend beyond the description on the face hereof.

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