

INSTA MS - 5089 (MILL SANITATION)

Operation

Mills

Goal

Microbiological reduction with consequent sugar losses reduction.

Application

The 5 to 10 ppm dose was found effective for mill sanitation. This dose resulted in less than 10% rise in reducing sugar per 100brix from primary juice to mixed juice. The 5% solution in water of mill sanitation is to be added at three positions i.e. 30% dose at last mill, 50% dose at second last mill and 20% dose at subsequent secondary mills. In addition the shift wise spraying of 5% solution of mill sanitation scale, vacuum filters, magma mixture and sugar handling station is recommended for controlling microbes in sugar.

Feature

- The Insta MS – 5089, is a mixture of Quaternary ammonium based compounds.
- Effective control of biological growth in sugar juice.
- Improves sanitation of mill surroundings.
- Excellent bactericidal actions against number of microbes such as Leuconostoc mesenteroids, Sacchaaromyces, Bacillus etc.
- Only biocide effective against Staph Aureus and E. - Coli (for sugar exports it shall be free from Staph Aureus).
- Reduces purity drop from PJ to MJ in below 1.4 units.
- Below 10% rise in reducing sugar per 100 brix from PJ to MJ (15 to 25% rise in other biocides).
- Could be easily removed during evaporation with water phase and hot remained with crystalline sugar or molasses.
- Minimization of dextran formation as well as lactic acid formation.
- Could be used for floor cleaning, mill surrounding and cane carrier spraying.

Dosage

- The dose of 10 - 20 ppm results in less than 10% rise in reducing sugar per 100 brix from primary juice to mixed juice.
- Prepare a 5% solution of Insta MS - 5089. This solution is to be added at three position viz.
- Spraying of 5% solution of Insta MS – 5089 on Cane carrier, Surrounding of mills.

Packing

50 Kg. Carboys

Typical Characteristics

Sr.No.	Characteristics	Specification
1	Appearance	Pale Yellow clear Liquid.
2	Viscosity @ RT on B4 Cup	11.0 to 12.0 sec.
3	pH of Product	6.5 ± 0.5
4	Specific Gravity @ RT	1.02 Max.

MSDS is available on request.



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