



BACTOSAFE II

***Mill sanitizer for controlling microbial contamination,
reducing losses in Milling***

Microbial contamination is a major challenge in sugar manufacturing, causing sucrose losses, purity reduction, process inefficiencies, and operational disruptions. These issues become even more significant under fluctuating cane quality and processing conditions.

Bactosafe II is an advanced mill sanitizer formulated to effectively control unwanted microbial growth within sugar processing systems. Its application helps reduce sugar losses, enhance process stability, maintain product quality, and optimize overall plant performance.

Mode of Action

Bactosafe II is an advanced blends of new-generation sanitizing ingredients specially formulated for sugar industry applications. These formulations are free **from DTC and QAC-based chemistries** and are designed to effectively control microbial contamination across sugar processing systems

By controlling microbial growth throughout the sugar manufacturing process, Bactosafe II help maintain juice quality, improve process stability, reduce sugar losses, and support efficient plant operations. Its advanced formulation enables reliable performance while helping mills optimize production outcomes.

Product Key Benefits

- Effective control of microbial contamination at low dosage levels
- Helps reduce sucrose losses caused by undesirable microbial activity
- Minimizes purity drop across process streams
- Supports consistent and stable process performance under varying cane quality and operating conditions
- Improves process smoothness and operational flexibility while reducing contamination-related losses
- Contributes to enhanced process efficiency and overall plant productivity

Product Application

Bactosafe II is recommended for sanitization across sugar manufacturing operations.

The optimal application depends on:

- Crushing rate
- Cut-to-crush delay
- Contaminant load
- Retention time
- Contamination generation points

The best results are achieved through process-specific dosage optimization and fine-tuning during actual plant operation.

Operational Conditions

- Temperature: <80°C
- pH: 5.0 – 9.0

Dosage

- 4–5 ppm on cane alternatively/15 days

Product Characteristics

Parameter	Specification
Product Type	Mill Sanitizer
Form	Liquid
Appearance	Transparent to semi-transparent watery to snuff colour
Odour	No peculiar smell
Specific Gravity	≤ 1.35 g/ml

Product Packaging

- 25 kg HDPE drums

Product Shelf Life

- Below 10°C Minimum 12 months
- 10–25°C Best used within 6 months from date of delivery

Product Handling

- Avoid inhalation of aerosols or vapours
- Some ingredients may irritate skin, eyes, and mucous membranes upon prolonged contact
- Prevent splashing and aerosol formation during handling
- Flush spills with water immediately
- Use suitable PPE including gloves, protective clothing, and eye/face protection
- Wash contaminated clothing before reuse
- Follow MSDS safety instructions for detailed handling guidance



ISO 9001:2015 Certified | FSC 22000 Certified

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