

Lactoside 247™

Fermentation Antimicrobial

Lactoside 247 is an antimicrobial product for use in ethanol fermentations. It contains a proprietary combination of penicillin and virginiamycin that inhibit the broadest range of common fermentation contaminants, ie *Lactobacillus sp.*

CHARACTERISTICS

Synergistic effect of multiple antibiotics

- greater inhibition at lower levels than other products
- prevents the development of resistant and/or tolerant contaminants due to multiple modes of action

Eliminates contaminating bacteria:

- prevents competition for glucose
- reduces yeast stress
- increases alcohol yields

INGREDIENTS

Light brown free flowing powder in a water-soluble bag containing penicillin and virginiamycin in a proprietary blend.

APPLICATIONS

Lactoside 247 antimicrobial is used as a bacterial growth inhibitor and is intended for use in fuel ethanol fermentations

- stable over a broad pH range (3.5 - 5.8). However, in practice, this product is most effective at 4.0 - 4.5
- stable at temperatures of up to 46°C (115°F). This product is most effective at temperatures of less than 38°C (100°F)
- can be added to the yeast propagator or to the fermentor at the beginning, middle, or end of fermentation

PACKAGING

Packaged in water-soluble bags 500 g or 250 g (1.10 lb or 0.55 lb) packaged in 25 kg (55.12 lb) boxes

DIRECTIONS FOR USE

Lactoside 247 antimicrobial should be added during the fermentation phase of ethanol production. The typical use rate is 1 - 2 ppm, (1 - 2 g per 1000 L) or 3.8 - 736 mg per gal. Do not exceed 2.7 ppm (10.3 mg per gal) during the fermentation cycle.

Contact your Lallemand Biofuels & Distilled Spirits Technical Representative for more details.

STORAGE & HANDLING

In order to maintain the integrity of the water-soluble bags, the product should be stored in a dry area away from extreme temperature variations and moisture for maximum stability. When stored under these conditions, the product is stable for 18 months from the date of manufacture.

REGULATORY & CERTIFICATIONS

CFIA approved

PRECAUTIONS

Avoid inhaling antimicrobial dust and avoid eye or skin contact. In case of contact, wash thoroughly with soap and water. In case of irritation or allergic symptoms, seek medical attention. People with sensitivity to antibiotics should refer to the SDS.

This product is not intended nor suitable for use in animal feed.

Color may vary per batch, but in no way affects the performance of the product.