



CATALYSTS-ADY

High-performance active dry yeast for efficient high-gravity ethanol fermentation across sugarcane-based feedstocks.

Conventional yeast propagation and culture-based systems often lead to variability in fermentation performance, contamination risks, and lower ethanol yield due to inconsistent yeast health.

Catalysts-ADY is a specially selected active dry yeast strain designed to deliver high fermentation efficiency, robust performance, and consistent ethanol yield across multiple sugarcane-based feedstocks.

Mode of Action

- Provides high viable yeast cell counts ensuring rapid fermentation initiation and stable performance.
- Exhibits high tolerance to ethanol, temperature, osmotic pressure, volatile acids, and sulphites, enabling efficient fermentation under varying conditions.
- Reduces contamination risks by eliminating multi-step propagation and maintaining controlled yeast activity.

Product Key Benefits

- Achieves ethanol titre up to 15% v/v with consistent performance
- Improves fermentation efficiency compared to culture yeast
- Reduces contamination risks through single-step propagation
- Enhances yeast viability and fermentation stability
- Reduces dependency on skilled microbiological handling
- Enables processing of multiple feedstocks without product change
- Saves energy through high gravity fermentation

Product Application

Applicable in cane juice, syrup, B-heavy and C-molasses based fermentation systems.

Operational Conditions

- Rehydration at $35 \pm 5^\circ\text{C}$ for 20–30 minutes before use.

Dosage

- ~50 ppm on fermenter wash volume to maintain 10–12 million cells/ml.

Product Characteristics

- **Type:** Active Dry Yeast (*S. cerevisiae*)
- **Viable cell count:** $\sim 20 \times 10^9$ cells/g
- **Moisture content:** <1%

Product Shelf Life

- Minimum 12 months (below 25°C)

Product Handling

- Rehydrate before use under recommended conditions.
- Maintain hygienic handling to avoid contamination.
- Store in cool and dry conditions.
- Follow standard yeast handling and MSDS guidelines.



ISO 9001:2015 Certified | FSC 22000 Certified

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