



BASF
We create chemistry

Spartec[®] AMY 100

Improved starch conversion and higher ethanol yield.
Performance driven forward.

Spartec[®] AMY 100 is a highly thermostable alpha-amylase discovered from the depths of the ocean floor that operates effectively over wide pH and temperature ranges.

Due to its unique mode of action, Spartec[®] AMY 100 delivers a more uniform sugar profile to fermentation which reduces osmotic stress to the yeast.



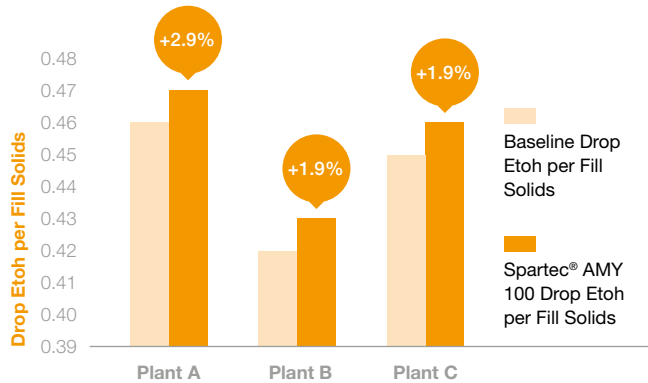
Spartec[®] AMY 100 – Key advantages

- Increased fuel ethanol yields due to improved starch conversion
- Reduced viscosity allowing plants to run at higher rates
- Works synergistically with advanced yeast by reducing osmotic stress

Application

Spartec® AMY 100 is used for liquefaction of corn, barley, potato, rice, sorghum/milo, cassava, wheat and other starch-based mashes and slurries in the production of fuel ethanol. Spartec® AMY 100 performs best over a temperature range of 185 – 195°F (85 – 91°C) and over a pH range of 5.0 – 5.4. However, Spartec® AMY 100 is effective over a broad operating range and can be effectively used between pH 4 – 6.5 and up to 220°F.

Increased yield in slurry/liquefaction



Characteristics

- Appearance: Amber to brown liquid
- Density: 1.05 – 1.15 g/mL
- pH: 6.3 – 6.7
- Enzyme name: Alpha-amylase (EC 3.2.1.1)

Storage And Stability

- Spartec® AMY 100 is stable for at least 12 months when stored in its original sealed container at ambient temperature 77°F (25°C).
- Spartec® AMY 100 should not be frozen.
- Storage at 39 – 46°F (4 – 8°C) will extend the shelf life of the enzyme.
- Keep container closed when enzyme is not in use.

Package Sizes

Spartec® AMY 100 is available in bulk quantities and in 1,000 kg recyclable polyethylene totes.

Handling

Provide adequate ventilation. Wear protective goggles, chemical resistant gloves, coveralls or apron, and boots as necessary to prevent contact during handling.

In case of accidental contact with skin or eyes flush with water. See BASF's Safety Data Sheet for further information.

Technical Service

Technical support to optimize usage and troubleshoot your process is available from BASF Enzymes LLC. Please contact us with questions regarding this product.

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