We create chemistry

Spartec® AMY 200

Wide operating pH & temperature range. Performance driven forward.

Highly thermostable and active over a broad pH range, Spartec® AMY 200 is an alpha-amylase preparation for use as a processing aid solely for the hydrolysis of edible starch to produce fermentable sugars for use in the production of distilled ethanol for alcoholic beverages and for the production of industrial use alcohols.

Spartec® AMY 200 breaks downstarch by hydrolyzing internal α-D-1,4-glucosidic bonds, generating a uniform distribution of lower molecular weight, soluble dextrins. Spartec® AMY 200 is highly effective over a wide temperature and pH range and displays viscosity reduction.

Spartec® AMY 200 – Key advantages

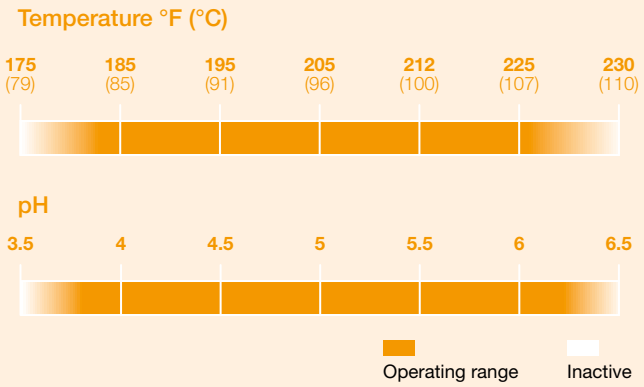
- Low effective dose
- Favorable oligosaccharide profile for saccharification
- Broad temperature and pH range
- Low pH liquefaction
- Synergistic effect when used with advanced yeast

Application

Spartec® AMY 200 is a high performance alpha-amylase preparation for use as a processing aid solely for the hydrolysis of edible starch to produce fermentable sugars for use in the production of distilled ethanol for alcoholic beverages and for the production of industrial use alcohols. Spartec® AMY 200 performs best over a temperature range of 190–195 °F (88–91 °C) and over a pH range of 5.0–5.4. However, Spartec® AMY 200 is effective over a broad operating range and can be effectively used between pH 4.0–6.5 and up to 225 °F (107 °C).

Superior Performance

Spartec® AMY 200 performs across a wider temperature and pH range, allowing easier operations without a loss in productivity through the normal process variability of day-to-day operations.



Dosage Guidelines

Typical use rate is 0.01–0.03 % (w/w) of dry solids.

Activity

Spartec® AMY 200 contains a guaranteed minimum activity of 120,000 MWU/g. One Modified Wohlgemuth Unit (MWU) is the amount of enzyme activity that will dextrinize one (1) milligram of soluble starch to a defined blue value in thirty (30) minutes under the conditions of the MWU Assay.

A copy of this assay is available upon request.

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 200 is stable for at least 12 months when stored in its original sealed container at ambient temperature 77 °F (25 °C).
- Spartec® AMY 200 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 200 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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