



ECOENZYME - AA - HT

ECOENZYME - AA - HT is a heat-stable, liquid alpha-amylase enzyme of bacterial origin. ECOENZYME - AA - HT is an endo-amylase that randomly hydrolyzes alpha1,4-glycosidic bonds in gelatinized starch.

PRODUCT SPECIFICATIONS ●●●

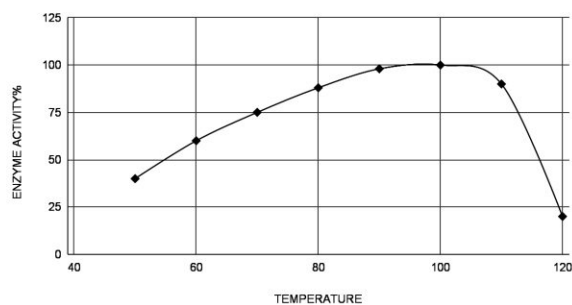
Form: Brown coloured liquid

Miscibility: Miscible in water

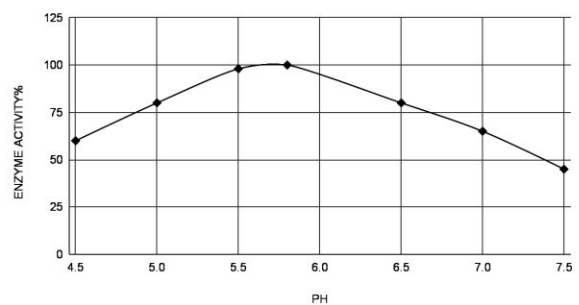
Working pH range: 5.5 - 7.5

Working temperature range: 80 - 110°C

ENZYME ACTIVITY% vs TEMPERATURE



ENZYME ACTIVITY% vs PH



APPLICATIONS AND BENEFITS ●●●

ECOENZYME - AA - HT is an enzyme with excellent thermal stability, widely used in the starch processing industry, brewery, malt production, and starch coated paper manufacturing. It significantly enhances the liquefaction of steam jet-cooked starch, increasing wort yield and grain adjunct cooking capacity by rapidly reducing the viscosity of gelatinized starch and producing large amounts of lower molecular weight dextrans.

Applications of ECOENZYME - AA - HT includes :

- **Starch Processing Industry:**
Used for the high-temperature liquefaction of starch, improving processing efficiency and product yield.
- **Brewery:**
Increases wort yield and enhances grain adjunct cooking capacity. Added to the mashing tank to facilitate malt extraction.
- **Malt Production:**
Efficiently processes starch-containing grains slurry.
- **Paper and Pulp :**
Used in starch slurry for coating formulations, resulting in smoother and stronger paper with improved gloss and smoothness.



DOSAGE AND ACTIVITY ●●●

- Recommended Dosage : 0.3 - 0.6 kg/Ton of Starch, to be optimised based on requirements.
- Activity : Upto 500000 U/g

TECHNICAL ASSISTANCE ●●●

Please contact us for more information concerning technical advice and assistance with this product.



QUALITY CERTIFICATIONS ●●●

- ISO 9001:2015
- ISO 22000:2018
- HALAL INDIA
- DAR KOSHER

SAFETY AND ENZYME HANDLING ●●●

Store ECOENZYME - AA - HT in a cool, dry and shaded place, away from direct sunlight. Enzyme aerosols may cause irritation when inhaled. Unnecessary contact with the product should be avoided. The shelf life of ECOENZYME - AA - HT under recommended storage conditions is for the period of 1 year.

PACKAGING ●●●

The product is available in 25 Kg and 50 Kg HDPE drums. The packing can also be customized as per the requirements.