

## Textile

### Product application guideline

# Aquazym<sup>®</sup> AD

Pretreatment of cotton and blends in acid conditions is carried out to ensure that the fabric is free from metal contamination especially iron, as it causes catalytic reaction when in contact with peroxide during bleaching process that results in fabric damage referred to as pin holes.

Fabric processing does not ensure 100% desized fabric, required for quality dyeing and printing.

Aquazym<sup>®</sup> AD is an amylase that ensures that the fabric is properly desized even under acidic conditions so that the fabric can be further processed without issues related to improper resizing.

## Benefits

- Effective solubilization and removal of starches
- Excellent biodegradability
- Safe handling and operation
- Improved fabric quality
- Reproducible performance and ease of use
- Environmentally friendly

## Usage

Application and processing

Aquazym <sup>®</sup> AD	Operational range	Optimal range
pH	2.0-6.0	2.5-4.55
Temperature	20-65°C	25-50°C
Time/application	Pad batch: 2-24 hours/Exhaust system: 10-30 minutes	
L:R	1:05-1:20	
Dosage	Based on dilution	

Table 1.

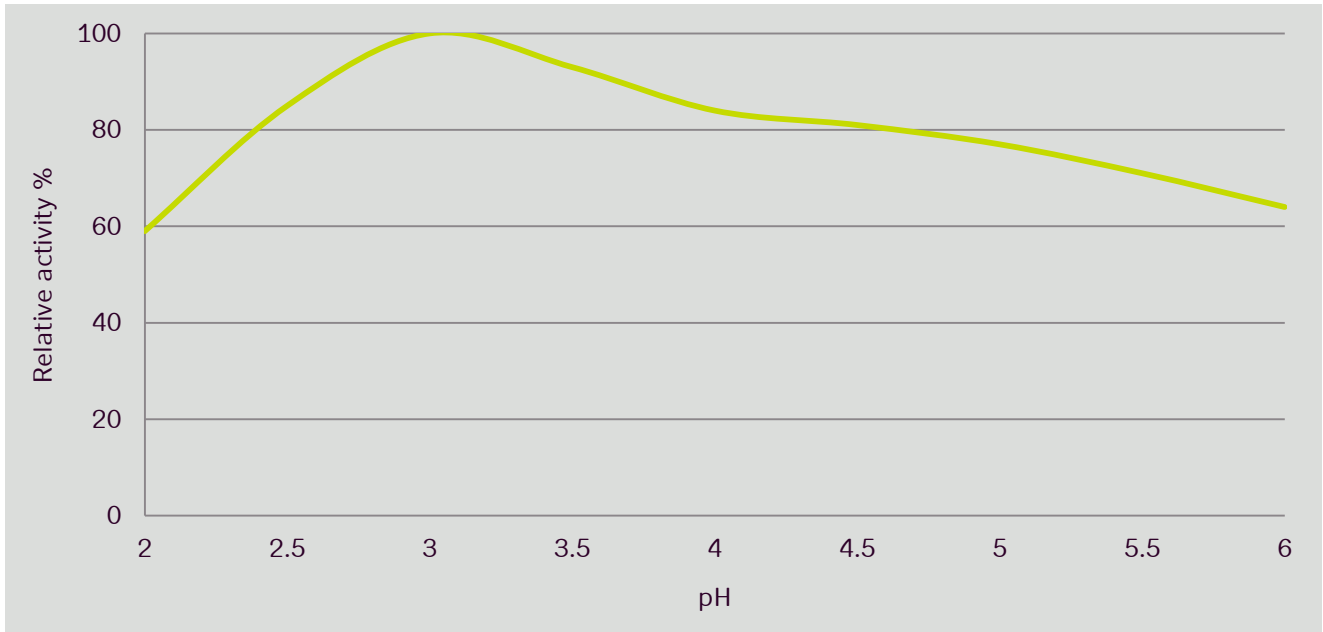


Fig. 1. pH profile of Novozymes Aquazym® AD

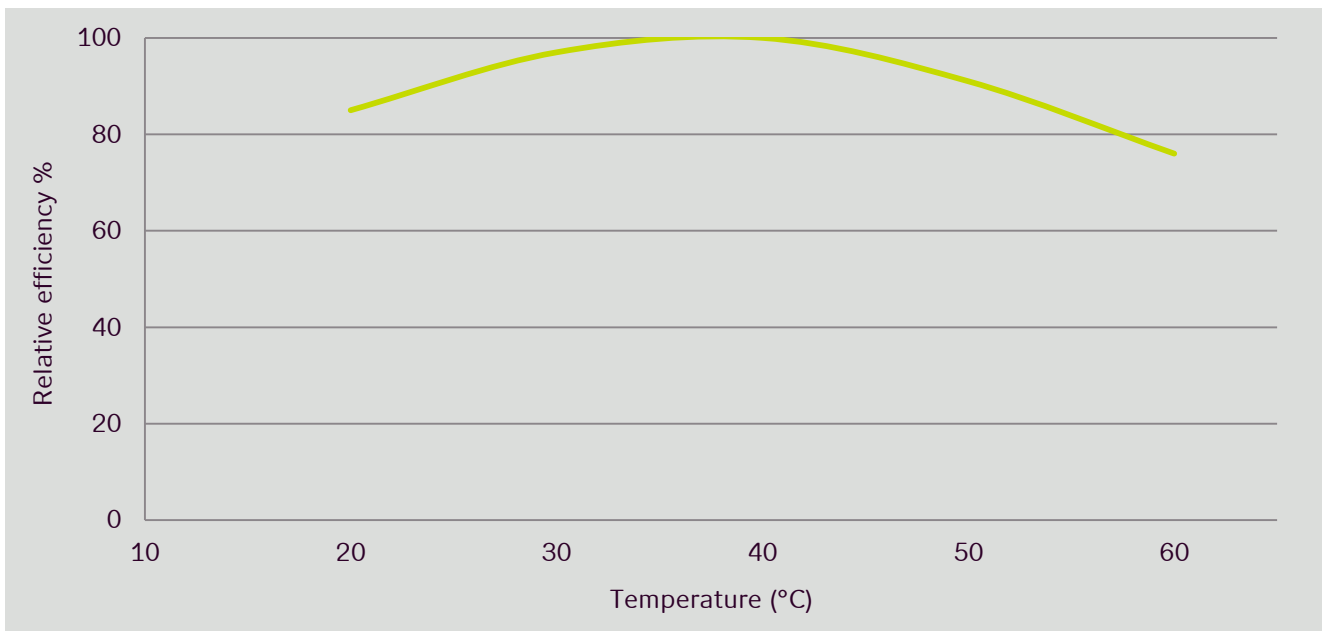


Fig. 2. Temperature profile of Novozymes Aquazym® AD

## Safety, handling and storage

Safety, handling and storage guidelines are provided with all products.

### About Novozymes

Novozymes is the world leader in biological solutions. Together with customers, partners and the global community, we improve industrial performance while preserving the planet's resources and helping build better lives. As the world's largest provider of enzyme and microbial technologies, our bioinnovation enables higher agricultural yields, low-temperature washing, energy-efficient production, renewable fuel and many other benefits that we rely on today and in the future. We call it Rethink Tomorrow.

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