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Sistema di gestione qualità  
certificato secondo la UNI EN ISO  
9001:2015 da Certiquality.



Associazione Tessile e Salute  
Azienda associata

## ENZIPREP conc

Pectate lyase that hydrolyzes (1,4)-alpha-D-galacturonan to give oligosaccharides with 4-deoxy-alpha-D-galact-4-enuronosyl groups at their non-reducing ends.  
Enzyme for the preparation (scouring) of cotton fiber, removing pectin from external membrane of fiber cells.

Chemical nature	Pectate Lyase
Appearance at 20°C	Brown liquid (color may vary)
Approximate density	(g/ml) 1.04
incompatibility	With strong chelating agent, calcium sequestering agent, EDTA.
Active substance	375 APSU-CA/g
Solubility	In every ratio
Odor	Slight fermentation odor
Storage stability	6 months at 20°C
Property	<p>Only for industrial use. Non food grade.</p> <p><b>Enziprep</b> is used during yarn, fabric, and knit cotton fabric scouring at temperatures up to 65°C.</p> <p>With breaking of the external membrane of cotton fiber Enziprep makes waxes easily removable with the subsequent warm rinsing ensuring suitable wetting properties for bleaching and dyeing. This process, called BioPreparation, makes cotton fabrics softer if compared with those ones prepared with traditional methods without degrade cellulosic fiber,so it has no negative effects on mechanical properties of yarn or fabrics</p> <p>Removal property of pectin is enhanced using binding buffers for Calcium, as phosphates, silicates or carbonates. EDTA should be Used Carefully because every excess of metal ions would inactivate the Enzyme.</p> <p>To ensure wetting and emulsifying properties, Enziprep is applied with <b>non ionic</b> surfactants.Adding small quantities of anionic surfactants may enhance wax removal</p>



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Application

**JIGGER**

0.5-1% **Enziprep**  
pH 8 60°C 20 – 30 minutes

**PAD BATCH**

4-6 g/l **Enziprep**  
pH 7-8 25-60°C 6-7 hours up to maximum 24 hours (depending on  
Temperature)

With lower Temperatures higher dosing are needed. Alternatively longer  
times may be applied, for example, overnight at room temperature.

The information contained in this circular are based on our current knowledge and experience. these  
data do not relieve the user from conducting its tests , to tailor the product to their needs  
processing . Our data can not derive a legally binding assurance of certain  
quality or property for a specific field of endeavor.  
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