



UPPSALA
UNIVERSITET

Molecular Biotechnology Programme

Uppsala University School of Engineering

UPTEC X 08 016	Date of issue 2008-04	
Author Martin Sterner		
Title (English) Novel regenerated cellulose-based composites		
Title (Swedish)		
Abstract <p>A study in the art of creating composites composed of the two polysaccharides cellulose and xyloglucan. The technique used is regeneration with NMMO (N-methylmorpholine N-oxide) as polysaccharide solvent. Water and water/ethanol-solution is used as precipitation media. It comprises methods to create the two shapes films and rods, on which mechanical tests are performed on both shapes followed by SEM studies on the rods.</p>		
Keywords <p>Cellulose, Xyloglucan, NMMO, NMO, N-Methylmorpholine N-oxide, Composite, Regeneration, Environmental.</p>		
Supervisors Harry Brumer KTH		
Scientific reviewer Gunnar Johanson Uppsala universitet		
Project name	Sponsors	
Language English	Security Secret until 2012-08-30	
ISSN 1401-2138	Classification	
Supplementary bibliographical information	Pages 13	
Biology Education Centre Box 592 S-75124 Uppsala	Biomedical Center Tel +46 (0)18 4710000	Husargatan 3 Uppsala Fax +46 (0)18 555217

