Effect of Enzyme Species on Production of Microfibrillated Cellulose from Mechanical Pulp Fines

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References

- 1. Osong SH, Norgren S, Engstrand P. An approach to produce nano-ligno-cellulose from mechanical pulp fine materials. Nordic Pulp & Paper Research Journal. 2013 Dec 1;28(4):472–9.
- 2. Henriksson M, Henriksson G, Berglund LA, Lindström T. An environmentally friendly method for enzyme-assisted preparation of microfibrillated cellulose (MFC) nanofibers. European Polymer Journal. 2007 Aug 1;43(8):3434–41.
- 3. Solala I, Iglesias MC, Peresin MS. On the potential of lignin-containing cellulose nanofibrils (LCNFs): a review on properties and applications. Cellulose. 2020;27(4):1853–77.