

Title (en)
CELLULOSE FIBER AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
CELLULOSEFASER UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
FIBRE DE CELLULOSE ET SON PROCÉDÉ DE FABRICATION

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Application
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Abstract (en)
[origin: WO2009155624A1] The invention relates to a cellulose fiber of the lyocell type, which has been treated with a cross-linking agent, wherein the cross-linking agent induces fibrillation protection on the fiber and has the following properties: - the fibrillation protection induced by the cross-linking agent changes during storage of the fiber within a pH range of 4.0 to 10.0, particularly under the action of moisture and/or heat, - within the pH range of 4.0 to 10.0 an optimum value exists, at which the stability of the fibrillation protection induced by the cross-linking agent during storage is the greatest, - around the optimum value a suitable range exists, in which the stability with respect to the stability at the optimum value is reduced by no more than 20%, - the suitable range is delimited within the pH range of 4.0 to 10.0 by at least one threshold value, at which the stability with respect to the long-term stability at the optimum value is reduced by 20% and beneath or above which the stability is further reduced, - the cross-linking agent has the potential to change the pH value. The fiber according to the invention is characterized in that the fiber comprises a substance that buffers in the suitable range and in the suitable range has a buffer capacity of at least 12 mmol/kg fiber, preferably 15 to 70 mmol/kg fiber.

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