

# **The Lime and Loose Skin Fiber Related Properties Research Ability**

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**Abstract:** Due to the poor solubility of lime, this paper focuses on how to improve the solubility of lime with glucose and other auxiliaries. In order to master the performance of lime and the change of incompact fiber ability in liming process, which is helpful to control the lime amount reasonable and so on, many other factors that influence the solubility of lime were investigated, including lime particle size, temperature, time, and use frequency. When the consistency of glucose solution increased up to 3% or 1% of liming auxiliaries was added into the solution for 15 hours reaction, the clear solution in upper layer was adopted to swell. The results indicated that the process of leather is in keeping with craft requirement, and that the wastewater is easy to recycle, which is beneficial to reduce the dosage of lime and quantity of mud.

**Key words:** lime; water solubility; glucose; additives; loose fiber