

Development of Specialty Papers is an Art: Playing Cards Base Paper from *Eucalyptus Tereticornis*, *Leucaena Leucocephala* and *Bambusa Aurandacea* — Part XV

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ABSTRACT

The study aims at developing playing cards from locally available hardwoods like, *Eucalyptus tereticornis*, *Leucaena leucocephala* and grass like *Bambusa aurandacea* of Assam origin. These cellulosic raw materials are mostly utilized, in India, in different proportions. This specialty paper requires better look, long lasting, non-effective in water and protection from dust, which may be developed separately by off machine operation. The most important properties of base paper for playing cards are structural properties like caliper, sizing, peeling resistance, optical properties like brightness and opacity and mechanical properties like tear and bursting strength. The results of laboratory made playing cards base paper are promising and fulfill the purpose of end users.

Key Words: Indigenous raw materials, Playing cards, Shuffling and gliding properties, Stiffness