

Lower Kappa,  
Better Bleaching.

**ProWhite**  
*Delignification & Bleaching Agent*



ProCharta ProWhite is a path breaking product based on the platform of 'Probiotics' for the Paper & Pulp Industry to enhance delignification and bleaching. Due to its powerful ability to inhibit transition metal ions, optimises the use of Chlorine Di-oxide, Caustic, Hydrogen Peroxide, Hypo etc., resulting in reduced requirement of these chemicals even while improving delignification and enhancing whiteness / brightness. It also helps in lowering effluent load - parameters such as BOD, COD, AOX, SAR etc., are seen to be lower by upto 15%. Mechanical properties such as viscosity, tear index, double fold, fibre length, etc., are also seen to be improved. It is versatile in its application and delivers results across all types of raw materials (hard wood, agri waste etc.,) and processes.

[www.procharta.com](http://www.procharta.com)

## Benefits

- **Saves Operating Costs:** Reduction in use of chemicals such as Chlorine di-oxide, Caustic and Peroxide leads to direct cost savings
- **Reduces Pollution Load:** Effluent parameters such as BOD, COD, SAR, AOX etc., are seen to be lower by 10 to 15 %
- **Improves mechanical properties:** Parameters such as Viscosity, Tear strength, Fibre length and Double Fold show improvement.
- **Higher Yield:** Reduction in bleaching chemicals and improvement in viscosity tend to indicate higher pulp yields

## Tech Specs

Physical Form	Liquid
Colour	Light Brown to Dark Brown*
Odour	Sweet, Fermented
Operating Range	2.50 - 14.00 pH, 1°C to 140°C
Effective Substance	A consortium of biochemicals derived from Probiotics
Stability To Electrolytes	Stable to electrolytes used in process operations
pH	2.5 < V < 3.5
Biodegradable	Readily Biodegradable
Storage	Store at room temperature; do not freeze
Safety Precautions	Non-hazardous, does not require any protective equipment for handling

Note: The data above is based on our current knowledge, experience and tests conducted. Processors are however requested to carry out their own tests.  
\*Minor variation in color could occur due to organic nature of the raw material used.

## Application

ProCharta ProWhite is dosed at the rate of 100 grams per tonne of pulp at delignification stage and 50 to 100grams per tonne in individual bleaching stage.