

Technical Services Offered by Our Laboratories

- Klason & UV Lignin analyses on Pulps and other lignin samples
- Carbohydrate compositional analyses on pulps and other polysaccharides
- Structural analyses for Lignin and carbohydrates using advanced NMR methodologies
- Environmental assessments for effluents and air quality profiles using our extensive GC facilities
- Cellulosic surface area and surface activity measurements based on novel in house protocols
- Cellulose surface quality characteristics based on enthalpy of water of evaporation measurements
- Pyrolysis oils quality control analyses via GC & NMR methods
- Assessment of absolute Enzymatic activities using novel methods specifically designed for cellulases
- Assessment of absolute enzymatic activity for Peroxidases, Laccases, Cellulases, Lipoxygenases and other enzymes whose intermediate products are radical species
- Methods of quantitatively defining oxygen, or carbon radical profiles in complex reactions are also available
- Molecular weight evaluations of polymers using Light scattering
- Molecular weight distribution measurements using Gel Permeation Chromatography

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