

Wood Chemistry PSE 406/Chem E 470

Lecture 3 Wood Sugars

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Wood Carbohydrates

- Major Components
 - » Hexoses
 - D-Glucose, D-Galactose, D-Mannose
 - » Pentoses
 - D-Xylose, L-Arabinose
 - » Uronic Acids
 - D-glucuronic Acid, D Galacturonic Acid
- Minor Components
 - » 2 Deoxy Sugars
 - L-Rhamnose, L-Fucose

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wood Chemistry

Wood Sugars: L Arabinose

Pentose (5 carbons)
Of the big 5 wood sugars, arabinose is the only one found in the L form.
Arabinose is a minor wood sugar (0.5-1.5% of wood).

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