A Nood Chemistry

Wood Chemistry PSE 406/Chem E 470

Lecture 18 Chemical Isolation and Analysis II Hemicelluloses

PSE 406 - Lecture 17

Class Agenda

- How are hemicelluloses separated from cellulose and lignin?
- How are individual hemicelluloses separated?
- How is the composition of individual hemicelluloses determined?

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• How are the linkages determined?

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How are the hemicelluloses How are hemicelluloses separated ▲ Å separated from cellulose? -lood Chemistry from cellulose and lignin? lood Chemistry Generate Holocelulose • Cellulose is not soluble in almost any solvents. • Remember....in this procedure lignin is • What are hemicelluloses soluble in? removed through the action of sodium chlorite NaOH or KOH!!!!! » Ok.....they are mostly soluble • Quick question...what happens to acetyl groups? » Saponification PSE 406 - Lecture 17 PSE 406 - Lecture 17 3

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