

Materials List for:

A Novel Method for the Pentosan Analysis Present in Jute Biomass and Its Conversion into Sugar Monomers Using Acidic Ionic Liquid

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Materials

Name	Company	Catalog Number	Comments
1-Methylimidazole	Sigma Aldrich	M50834	
1,3-Propanesultone	Sigma Aldrich	P50706	Moisture sensitive
p-nitroaniline	Sigma Aldrich	185310	
Toluene	J. T. Baker	9460-03	
Sulfuric acid	Honeywell-Fluka	30743	Highly corrosive
Hydrochloric acid	Honeywell-Fluka	30719	Highly corrosive
1-butyl-3-methylimidazolium chloride	Sigma Aldrich	900856	Highly hygroscopic
D(+)-Xylose	Acros Organics	141001000	
L(+)-Arabinose	Acros Organics	104981000	
UV-Spectrometer	JASCO	V-670	
Parr reactor	Parr USA	Serie 4560	
Parr reactor controller	Parr USA	Serie 4848	
High pressure liquid chromatography (HPLC)	JASCO	Serie LC-2000	
Digital hot plate stirrer	Thermo Scientific	SP142020-33Q Cimarec	
Oven furnace	Thermal Scientific	FB1400 Thermolyne blast oven furnace	