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Gaojin Lyu, Rui Lou, Yushuang Zhao, Shubin Wu

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Correlation between pyrolysis behaviors of the components and the overall pyrolysates from pulping spent liquor

Gaojin Lyu^{a,c}, Rui Lou^b, Yushuang Zhao^c, Shubin Wu^{c*}

^a Key Lab of Pulp and Paper Science and Technology of the Ministry of Education, Qilu University of Technology (Shandong Academy of Sciences), Jinan 250353, PR China

^b College of Mechanical and Electronic Engineering, Shaanxi University of Science and Technology, Xian 710021, PR China

^c State Key Lab of Pulp and Paper Engineering, South China University of Technology, Guangzhou 510640, PR China

Corresponding author: shubinwu@scut.edu.cn (S. Wu), State Key Lab of Pulp and Paper Engineering, South China University of Technology, 381 Wushan Road, Guangzhou 510640, PR China

ABSTRACT

The pyrolysis behaviors of the three major organic components of eucalyptus alkaline peroxide mechanical pulping (APMP) spent liquor including alkali lignin (AL), lignin-carbohydrate complexes (LCC), and polysaccharide (PLS) were studied with emphasis on the effect and contributions of components on the overall pyrolysates of APMP spent liquor solid (ASLS). Profound differences on product properties from each component pyrolysis were illustrated. The results indicated that the bio-oil

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