

快报

亚硫酸制浆废液COD_B与BOD₅的相关性研究

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摘要 根据对稀释配制的亚硫酸制浆废液(中段水)进行曝气,测定不同时间COD_{Cr}的值,通过数据图解处理法得到可生化化学耗氧量(CODB)。经与同批样品实测BOD₅值进行换算,对其平均值结果进行方差分析。结果表明:误差结果为9.26%,即由作图法测定的COD_B值与BOD₅测试法的值非常接近,对亚硫酸制浆废液的生化处理研究具有实际意义。

关键词

[亚硫酸制浆废液](#) [COD_B](#) [BOD₅](#) [相关性](#)

分类号

Relationships between COD_B and BOD₅ of sulphurous acid pulping wastewater

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Abstract Exposed sulphurous acid pulping wastewater diluted to the air, the chemical oxygen demand(COD_{Cr}) values in different times were determined, and the biodegradable chemical oxygen demand(COD_B) was obtained by data illustration method. COD_B value was transformed with the biological oxygen demand(BOD₅) measured value from same samples and the mean values were analyzed by variance analysis. The results indicated that the average error was 9.26%. That is to say, COD_B value with data illustration method was similar to that of BOD₅ determination method, which was significant to biochemistry treatment of sulphurous acid pulping wastewater.

Key words [Sulphurous acid pulping wastewater](#) [COD_B](#) [BOD₅](#) [Relationship](#)

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