

畜牧—研究报告

CHE饲料发酵过程中蛋白酶活力的在线监测

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摘要:

蛋白酶(包括酸性蛋白酶、碱性蛋白酶及中性蛋白酶)是饲料复合酶制剂中最主要的酶之一。本文对CHE饲料中的酸性蛋白酶、碱性蛋白酶、中性蛋白酶进行了提取并进行了活性测定。结果表明各个酶的活性并不相同,其中酸性蛋白酶的活性最大,碱性蛋白酶最小,并且酸性蛋白的最适温度是40℃左右活性,最大值为5.203ug/min,中性蛋白酶的最适温度是30℃左右性,最大值为2.9754 ug/min,而碱性蛋白酶的最适温度是22℃左右性,最大值为0.4482 ug/min。

关键词: 酶活力

The Enzymes Assay Of The Fermentation Of CHE Feed On Line

Abstract:

Protease (including acid protease, alkaline protease and neutral protease) is the one of the most important enzymes in the feed compound enzymes. In this paper, acid protease, alkaline protease and neutral protease of the CHE feed were extracted and the assay of their activity were carried out. The results showed that the enzyme activity was not the same in all of them, acidic protease activity was the highest, the smallest one was alkaline protease, and the optimum temperature of acidic protein activity was about 40 °C and the maximum of acidic protein activity was 5.203ug / min, the optimum temperature of neutral protease was about 30 °C and the maximum of neutral protease was 2.9754 ug / min, while the optimum temperature of alkaline protease was about 25 °C and the maximum of alkaline protease was 0.4482 ug / min.

Keywords: enzymatic activity

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