

Application Note

Date: 1992.6.23

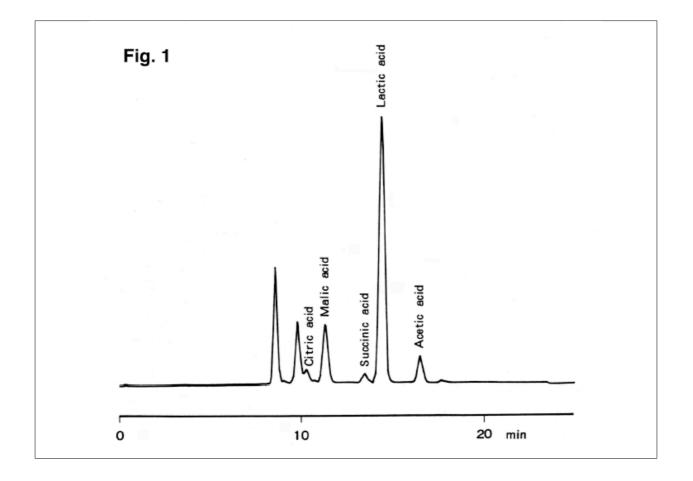
No. 220045H-E

Analysis of organic acids in feed

Organic acids in livestock feed were analyzed by HPLC, utilizing post-labeled derivatization method with bromthymol blue (BTB) as a reagent. After grinding some feed, 5 g of the sample was put in 30 ml of water and left for 24 hours. The sample was then shaken for a few minutes and the supernatant fluid was filtrated, and then 10 ul of the filtrate was injected. The chromatogram is shown in Fig.1.

Conditions:

Pump: Detector : Wavelength : Column : Eluent : Flow rate : Temperature : Reagent : Reagent flow rate : Sample : PU-980 UV-970 445 nm Shodex Ionpak C-811 3 mM HClO₄ 1.0 ml/min 60 degree celsius 0.2 mM BTB, 15 mM Na₂HPO₄ 1.5 ml/m Livestock feed



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