

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:	PU-980
Detector :	UV-970
Wavelength :	445 nm
Column :	Shodex Ionpak C-811
Eluent :	3 mM HClO ₄
Flow rate :	1.0 ml/min
Temperature :	60 degree celsius
Reagent :	0.2 mM BTB, 15 mM Na ₂ HPO ₄
Reagent flow rate :	1.5 ml/m
Sample :	Livestock feed

