

Analysis of organic acids in deodorant

Organic acids in deodorant were analyzed by HPLC, utilizing the post column derivatization method using a pH indicator as a reagent. The sample was diluted by 50 times and the 20ul 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, 15mM Ha ₂ HPO ₄
Reagent flow rate :	1.5 ml/min
Sample :	1. Citric acid 2. Latic acid 3. formic acid 4. Acetic acid

