Application Note

Date: 1999.6.28 **No. 220050H-E**

Analysis of organic acids in sake

An organic acid analysis system with a BTB reagent post column derivatization, using visible pH indicator color change enabled high selectivity, high sensitivity analysis of organic acids with low interference from interfering impurity peaks.

Keywords: 1.organic acid, 2. STD, sake, 3. RSpak KC-811. 4. UV. 5. BTB postcolumn derivatization

Conditions:

Column:	Shodex RSpak KC-810P (6.0mm I.D. x 50mmL) Shodex RSpak KC-811 x 2 (8.0mm I.D. x 300mmL, each)
Eluent:	6mM $HClO_4$
Flow rate:	0.8mL/min
Column temperature:	60 degree celsius
Wavelength:	445nm
Reagent:	0.2mM BTB + 15mM Na_2HPO_4
Reagent Flow rate:	1.2mL/min
Sample:	STDmix(0.1% w/v), sake
Injection volume	50uL

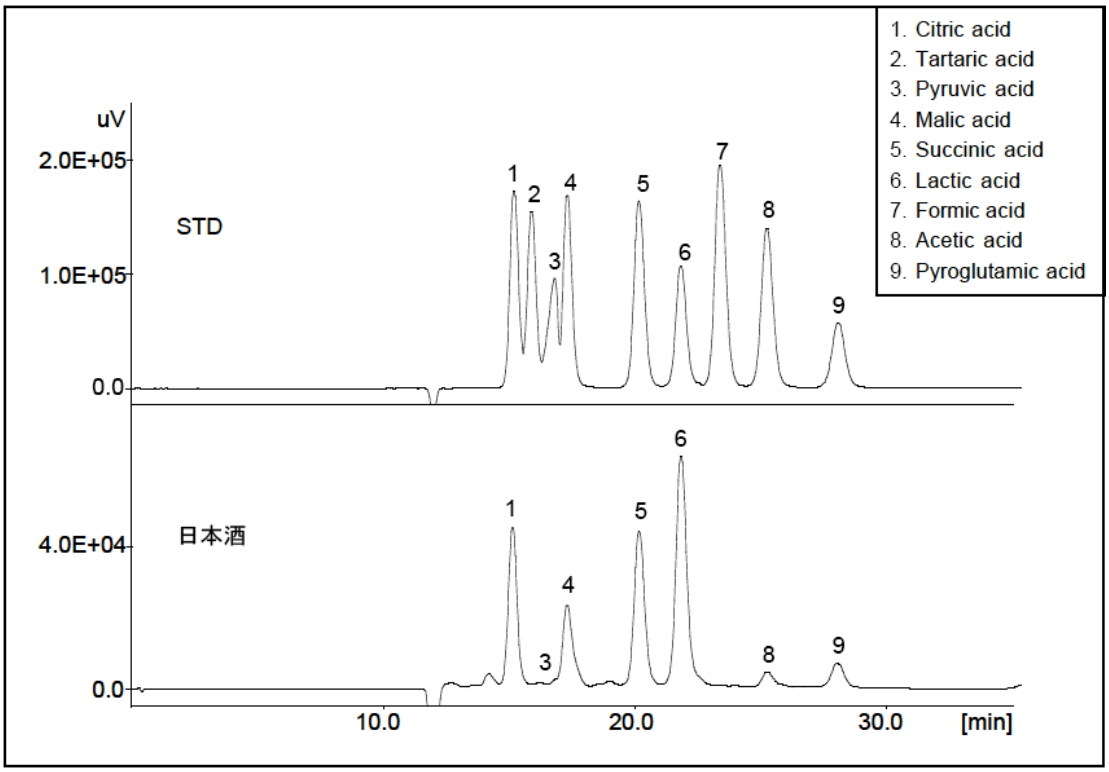

Fig. 1 chromatograms of standard sample and Japanese sake

JASCO INTERNATIONAL CO., LTD.
4-21, Sennin-cho 2-chome, Hachioji, Tokyo 193-0835, Japan
Tel: +81-42-666-1322, Fax: +81-42-665-6512