

Application note # C-13064

Five Free Acids and Lactic Acid using the Avantor® Hichrom HI-FFAP EXT Phase

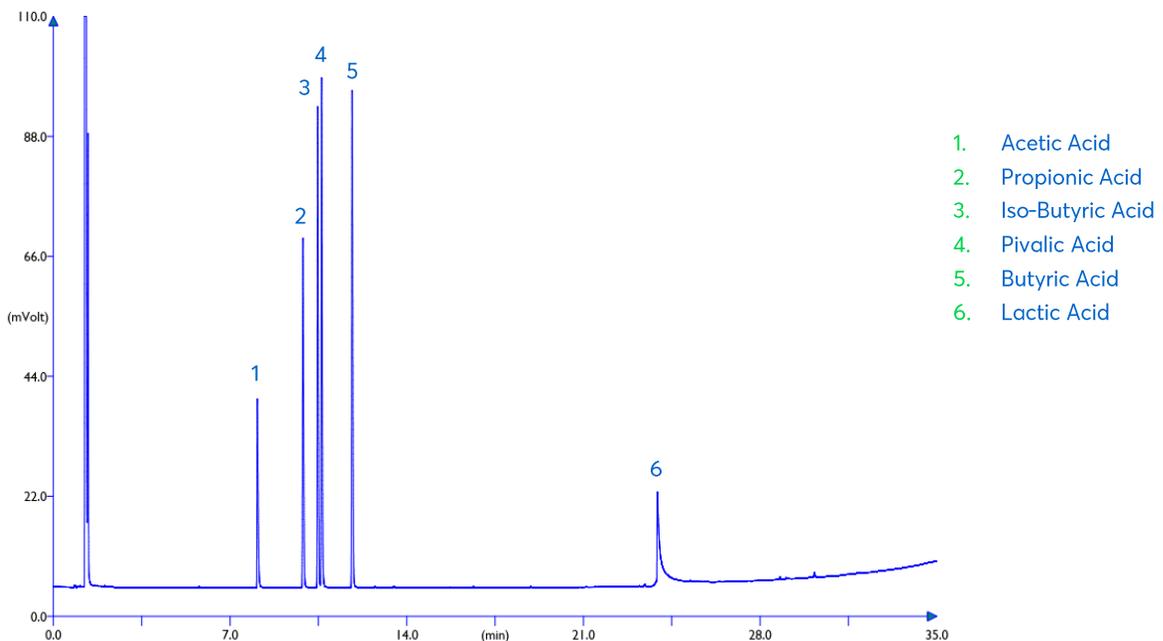


Figure 1: Analysis of five free acids and lactic acid using the Avantor® Hichrom HI-FFAP EXT phase. (Complete recovery of free lactic Acid, considering the relative response factor of the FID detector.)

Method Details

CONDITIONS

Oven Program:	70 °C (0.5 min), 5 °C/min, 242.5 °C
Carrier Gas:	Helium, 90 kPa
Injector:	Split, 250 °C, 50 mL/min split flow, 1.0 µL injection volume
Detector:	FID, 250 °C
Sample Dilution:	25% each compound in methanol

The HI-FFAP EXT is a nitroterephthalic acid modified polyethylene glycol (PEG) phase of high polarity, with an extended temperature range and aqueous sample compatibility. Useful for the analysis of free acids, flavour compounds, alcohols and polar compounds.

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-FFAP EXT	GC Column	0.32 mm, 0.50 µm, 30 m	HI44-32-050-30