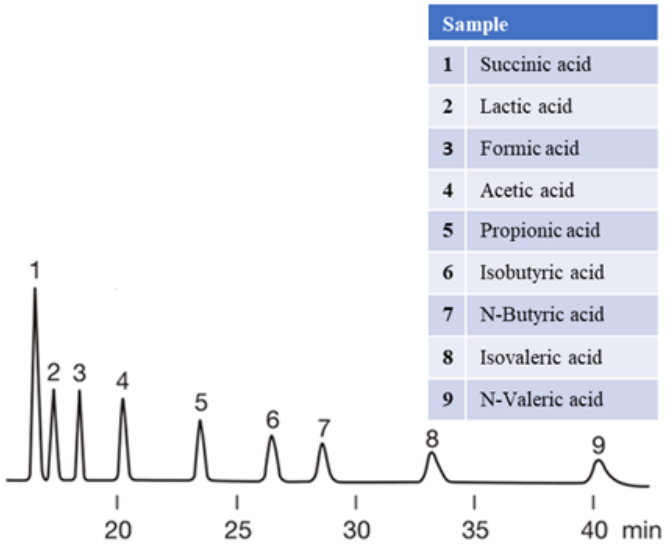
Quantification of Organic Acids

- Multiplex capability
- Exceptional accuracy
- Highly selective detection
- ASTM D5542, ASTM D1982 & ISO 10304

Organic Acid Analyser based on an Ion Chromatography (IC) system is a sophisticated analytical tool used to detect and quantify organic acids in various industries and samples, such as food, beverages, biological fluids, environmental, oil, gas and petrochemical. The IC system separates the organic acids in a mixture based on ion exclusion and reverse phase technique, typically using a specialized column and a mobile phase tailored to the acids of interest. The separated acids are then detected by a suitable detector, often UV/Vis, providing precise and accurate measurements. This method is highly selective, sensitive and can identify and quantify multiple organic acids simultaneously, making it invaluable for quality control, research, and regulatory compliance in numerous industries. The combination of IC's high resolution and sensitivity with the specificity of organic acid analysis ensures reliable results, facilitating the monitoring of metabolic processes, nutritional content, and environmental pollutants.



Sample	
1	Succinic acid
2	Lactic acid
3	Formic acid
4	Acetic acid
5	Propionic acid
6	Isobutyric acid
7	N-Butyric acid
8	Isovaleric acid
9	N-Valeric acid

Fig. 1 Small Organic Acid analys