Key Features

- Innovative, reliable and easy-to-use
- Exceptional reproducibility
- Upgradable and durable design
- Operator-friendly design
- Powerful data analysis software
- Exceptional sensitivity with low detection limits
- Outstanding performance, peak resolution and analysis speed

Specifications

Pump	Analytical stainless-steel low-pressure gradient version, programmable dual piston pump head for low pulsation, camshaft constantly lubricated, Flow rate: 10.000-0.001 ml/min, Pressure range: 40-0 MPa (6000-0 psi)
Injection System	Automatic sample injector system, Sample capacity: 120 samples (1.5 ml), Sample loop: 100 µl, Carry over: < %0.05 with wash program
Column Oven Temperature	30-100˚C
Degasser	Integrated -4channel vacuum degasser
Solvent Organizer	Inert plastic tray with 4 bottles
Detector	Refractive index detector, refractive index range: 1.75-1 , flow rate: 3.0-0.2 ml/min, linearity range: 1000 µRIU, noise: 9-10×5, temperature setting: up to 55 ˚C, cell volume: 9 µl
Including	Clarity Chromatography Software, 21 CFR Part 11 complian

ISS-Food Additive Analyser

Innovative Scientific Solution

Sugar Analyser

Methods: UOP 780-92, ASTM E1758-24

Sugar Analyser from ISS is a specialized system based on HILIC system coupled with a RID detector to determine mono-, di-saccharides, and sugar alcohols in water. Hydrophilic interaction liquid chromatography (HILIC) is an alternative high-performance liquid chromatography (HPLC) mode proven to be a versatile analytical tool for the separation of polar and ionizable compounds. Over the past two decades HILIC has gained popularity in separation and analysis of many compounds in foods, organic nutrients (carbohydrates, phospholipids, amino acids, peptides, and proteins), contaminants, and toxic compounds.

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