Automatic Fat (oil) Extraction System (Soxhlet)

Application: Suitable for determination of capacity of quantitative separation total fat/oil content in all type of Solid & Semi Solid Feed & food sample, Milk Powder & Dairy products, Cereals & its products, Meat & Meat Products, Oil & oil Seeds, Lipids in egg & egg Products, Plant, fodders sample & Many More.



System Description: Model: AI-SOX-6 Six samples Automatic Fat / oil 5 Step Superior Auto Sequence Solvent Extraction System with auto time / temperature Microprocessor Programming control With LCD Digital Display system. Instrument based on official 'RANDALL' method accepted by AOAC, GLP, ISO, DIN have capability to perform unattended operation and microprocessor programmable based solvent recovery system All materials are in contact with solvents. We are using suitable Polytetrafluoroethylene (PTFE) high grade material in the solvent area.

MOC: Epoxy painted stainless-steel structure to prevent corrosion

Sample Volume: 0.25 to 10 gm depend upon the sample. Vessel Capacity:125-150 ml Volume

Heaters: High Grade Casted Aluminum Alloy Heaters for Uniform Heating with SS Splash Plate

Features:

- Microprocessor Based LCD Display System read out for Temperature & Time. Accuracy: ± 1%, Reproducibility: ± 1% Relative at 5% - 30 % Oil/Fat Measuring Range: 0.1 to 100% Oil/Fat
- Inbuilt LCD Display System read out of sample selection library Temperature Control Range: 350 ˚ Temperature Accuracy: ± 0.1˚ C. Time Selection 1 to 999 Minutes 1 minute step
- 10 Intelligent user storage program more than 5 Desire Ramp/Sequence steps
- Auto sequence extraction with auto phase changeover of boiling, condensation, rinsing and recovery phases, Auto Alarm for recovery phase, Auto switch at end of extraction procedure.
- Solvent Recovery: 70 % & above depend upon the sample
- Extraction beakers & Nitro Cellulose thimble Size: (25 mm dia X 80mm L) or more Speed of extraction 30 - 60 min depend upon sample

Safety Features:

- Warning sign Adequately displayed in Digital display
- Auto calibration of heating temperature
- Acoustic and Visual Error Indication and Sensor Break.
- Auto heater cut-off facility with indicators to save the power.
- Auto alarm for user's attention

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