



OXIDATION STABILITY OF OILS (RANCIMAT)

APPLICATION :

To determine oxidation stability of natural oils and fats, food & cosmetics, Biodiesel, FAME

COMPLIANCE :

The Rancimat method is included in various national and international standards, such as:

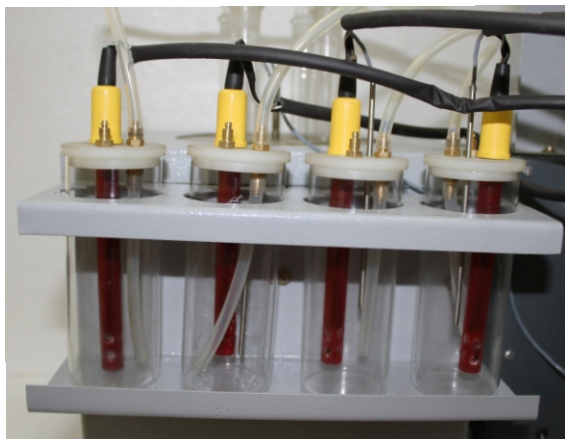
- AOCS Cd 12b-92 (AOCS – American Oil Chemists' Society) Sampling and analysis of commercial fats and oils: Oil Stability Index
- ISO 6886

Animal and vegetable fats and oils – Determination of oxidation stability (accelerated oxidation test)

- 2.4.28.2-93 Fat stability test on Autoxidation. CDM, Japan
- Swiss Food Manual (Schweizerisches Lebensmittelbuch), section 7.5.4
- EN 14214
- EN 14112

MODELS :

- Basic
- Automatic With Auto-detection of Induction time
- Fully Automatic with colour touch screen user interface, PC interface, Data logging and Inbuilt air supply. 100% GLP Compliance
- Available in 4/6/8 test setup





STANDARD SPECIFICATIONS/FEATURES :

- * Body Construction : SS 304
- * System Load : 1 KW(4 TEST)
- * Heating block : Solid aluminium heating block
- * Temp. Range : 50°C to 150°C
- * Temp. Control Accuracy : $\pm 0.5^{\circ}\text{C}$
- * Power : 230V , Single Phase, 50 Hz.
- * DISPLAY OF CONDUCTIVITY VALUES FOR ALL STATIONS
- * INDIVIDUAL TIMERS FOR INDUCTION PERIOD MONITORING
- * MANUALLY VARIABLE AIR FLOW RATE WITH ROTAMETERS
- * INBUILT AIR COMPRESSOR (**FULLY AUTO MODEL ONLY**)
- * PID BASED PRECISE TEMP. CONTROL

OPTIONALS & ACCESSORIES

- * Calibration of Temperature and Conductivity
- * Calibration of Flowmeters
- * Spare Sample vessel
- * Spare conductivity vessel
- * Spare Conductivity sensor

ON-SITE REQUIREMENT

01. 15/5A POWER SOCKET
02. MOISTURE FREE AIR SOURCE THROUGH REGULATOR 0.5 BAR(**NOT REQUIRED FOR FULLY AUTOMATIC MODEL**)
03. TEST SAMPLE
04. SOLVENTS TO CLEAN THE SAMPLE CELL
05. SMALL BOTTLE BRUSH TO CLEAN THE SAMPLE CELL
06. DISTILLED WATER - 1LTR



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