

Conforms to:
WIRA test method No.5:1989

- Determination of the oil, grease, lubricant, spin-finish content in less than 15 minutes
- Ideal for process control
- Simple, compact, robust and efficient
- Used by the world's leading manufacturers of man-made fibres
- Suitable for all natural and synthetic fibres

The world's most popular instrument for quick determination of oil and spin finish content has been ergonomically redesigned. The new WIRA Rapid Oil Extraction Apparatus now has enhanced safety features, advanced temperature control and is as easy to use as ever. The instrument is crafted in stainless steel and is of modular construction allowing multiple positions.

The WIRA Test Method achieves rapid results in comparison to Soxhlet whilst achieving similar extraction results.

The method is applicable to fibres, card slivers, yarns and similar materials from which small samples can be taken with confidence. The apparatus is available with single, double or triple extraction units.

A new optional mini fume-cabinet is now available which completely encloses the instrument and allows fumes to be vented by a fan assisted extraction pipe to a suitable outlet.

Method of testing

A clean, fat-free plug of cotton wool is placed in the extraction tube to hold back any particulate matter.

A weighed sample of wool (2g) is packed evenly into the tube and held in place by a weighted plunger.

Order code - ROE:001/2/3
WIRA Rapid Oil Extraction
Apparatus

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NEW DESIGN

A suitable solvent such as dichloromethane (10ml) is poured into the cup at the top of the tube and allowed to percolate through the sample.

The aluminium tray, previously weighed, is placed between the two metal rings and the temperature control is adjusted to give steady evaporation of the solvent. Conduction heating by means of the two rings ensures that no 'creeping' of the solvent occurs.

When the last trace of solvent has evaporated, the tray is removed from the heating rings, allowed to cool for a few seconds and re-weighed. The oil content of the sample is then calculated from the difference in weight of the tray before and after extraction.

Standard models have 1,2 or 3 positions, additional positions are available on request.



Dimensions :
Width: 200mm (per position)
Depth: 200mm
Height:380mm

Consumables:
Sample trays [50].
Order code - ROE:STY
Options:
Mini fume cabinet.
Order code- ROE:FUM
(Available for all models)

FIBRES AND YARNS