

Plasticity

Wallace Ageing Chamber

Part number: WAO14-96

- **Double capacity (96 samples)**
- **Traceability fixture**
- **Independently verified**

Use in combination with high speed cutter (WAS2) to improve your productivity and traceability

The Wallace O14 Ageing Chamber, ages rubber in accordance with international standards. Reliable ageing of samples is an integral part of determining the Plasticity Retention Index (PRI) of raw natural rubbers.

Use the O14 in conjunction with the Wallace Plastimeter (P14), high speed cutter (WAS2) and traceability fixture to ensure maximum productivity.

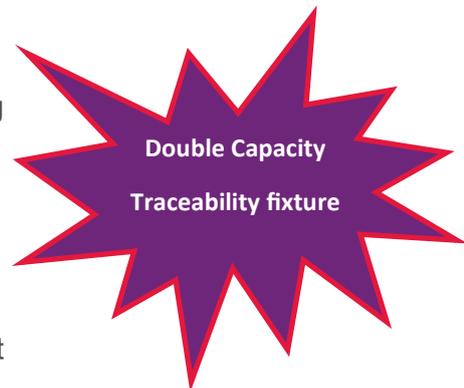
New

- **Up to 96 samples**
- **Better air flow for reliable consistent results**
- **Optical sensors for improved drawer operation**
- **Traceability fixture which simplifies sample handling and improves traceability**

Features

- Accurate and reliable temperature control
- Drawers individually time controlled
- Tri-colour LEDs indicate status for each of four test compartments
- High-tech PID Temperature Controller with digital display
- Easy access to replace air filter

Housed in a robust steel case, the O14 features an aluminium block with four chambers that carry the drawer units and sample dishes. High-quality insulation inside the case minimises heat loss. A temperature of 140°C (as specified by the standard) is maintained by a PID Controller, which continuously displays the chamber temperature. The O14 provides an additional protective feature whereby should the temperature exceed 150°C, the over-temperature cut out will be activated and all LEDs will flash simultaneously.



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Simple Test Procedure

Test samples are cut with the Wallace high speed cutter and placed in drawers in the traceability fixture. When a drawer is inserted, a timing sequence is triggered for that chamber. As the 30 minute ageing process ends, the LED light changes colour and an audible alarm sounds, indicating to the operator to remove the sample tray. If the ageing period is exceeded, the LED light changes to red indicating that the samples should be discarded. The sample tray is placed in traceability fixture and transferred to P14 for PRI test. The samples are then left for a minimum of 30mins to a maximum of 2hrs (ISO, ASTM standards) get to room temperature before PRI testing.

Specifications

Wallace Ageing Chamber (WAO14-96)	
Weight	23kg
Dimensions	270 x 490 x 230mm (w x d x h)
Maximum Power	200W
Chamber size	50 x 12 x 280mm (w x d x h)
Number of heating chambers	4
Number of dishes per tray	8
Number of samples per tray	24 max
Number of samples per O14	96 max
Operating temperature	140°C ±0.2°C
Temperature recovery	<3 mins @ 140°C after sample insertion
Standards	BS ISO 2007, BS ISO 2930, ASTM D3194

Included	
Ageing chamber	1 off
High capacity trays	8 off (4 off in oven, 4 off in fixture)
Dishes	120 off
Traceability fixture trays	4 off
Traceability fixture coloured buttons	80 off

