


# Schedule of Accreditation

issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <b>UKAS</b> CALIBRATION <b>0291</b>	<b>H &amp; D Fitzgerald Ltd</b>	
	<b>Issue No: 013    Issue date: 15 December 2003</b>	
	<b>Cefn Du Tremeirchion St Asaph LL17 0US</b>	<b>Contact: Mrs H Fitzgerald Tel: +44 (0) 1352-720774 Fax: +44 (0) 1352-720249 E-Mail: <a href="mailto:heather@density.co.uk">heather@density.co.uk</a> Website: <a href="http://www.density.co.uk">http://www.density.co.uk</a></b>

## SUMMARY OF ACCREDITATION

Calibration performed on permanent laboratory premises

### DENSITY

Density meters  
Hydrometers  
Liquid  
Solid  
Transducers

### VOLUME

Solid



Calibration performed on permanent laboratory premises

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**H & D Fitzgerald Ltd**

**Issue No: 013 Issue date: 15 December 2003**

#### DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ( $k=2$ )	Remarks
DENSITY			
Liquids	650 to 2000 kg/m <sup>3</sup> at temperatures between 5 and 55°C	0.01 kg/m <sup>3</sup>  The uncertainty is dependent on the nature of the liquid	
Hydrometers	Below 650 down to 550 kg/m <sup>3</sup> 650 up to 2000 kg/m <sup>3</sup> above 2000 up to 2800 kg/m <sup>3</sup>	0.10 kg/m <sup>3</sup> 0.05 kg/m <sup>3</sup> 0.20 kg/m <sup>3</sup>	
Density floats	650 to 2000 kg/m <sup>3</sup>	0.1 kg/m <sup>3</sup>	
Mass (for verification) of above floats	0 to 500 mg	0.04 mg	
Solid objects	1200 to 20 000 kg/m <sup>3</sup>	5 kg/m <sup>3</sup>	
DENSITY METERS	650 to 2000 kgm <sup>-3</sup>	0.04 kgm <sup>-3</sup>	If an integral thermometer is present calibrations at 0 to 156°C ± 0.05°C otherwise at room temperature
VOLUME			
Solid volume standards	50 µl to 100 µl 100 µl to 500 µl 500 µl to 1 ml 1 ml to 10 ml 10 ml to 100 ml	0.15 µl 0.2 µl 0.3 µl 0.5 µl 5 µl	
END			