

# CERTIFICATE OF CALIBRATION

Date of issue, 2nd January 1997

Description, Alphatracka II (25cm red)

Serial number, 161/2642/004



Chelsea Instruments Ltd  
2/3 Central Avenue  
West Molesey  
Surrey KT8 2QZ

Tel: 0181 941 0044  
Fax: 0181 941 9319  
E-Mail: 100731.2345@compuserve.com  
Internet: <http://www.chelsea.co.uk>

## REPORT

Alphatracka II is a 25 cm transmissometer, measuring attenuation of light at 660 nm.

### Results

Readings from the transmissometer were taken, at a temperature of 20°C,  $\pm 1^\circ\text{C}$ , in both air and purified water, and the following results were obtained:-

|                           |   |         |
|---------------------------|---|---------|
| Reading in air            | = | 4.552 V |
| Reading in purified water | = | 4.200 V |
| 'Zero' reading            | = | 0.021 V |

### Notes

The 'Zero' reading was obtained by mechanically obstructing the detection window.

The purified water used was generated using a reverse-osmosis/ion exchange column. 'Purer' water (ie water with a higher transmission) may be found in clear deep ocean conditions.

Signed

Date

A handwritten signature in black ink, appearing to read 'S. Oldfield'.

2<sup>nd</sup> January 1997

S Oldfield, Calibration Manager



Certificate No FM25404

Alphatracka serial number 161/2642/004

Page number 1 of 1

### Directors:

D J Chatterton MBE (Managing Director)  
M B Kershen FCA  
J P Vessey PhD ARCS  
D Griffiths PhD ARCS  
R Burt BSc  
B A Wardhaugh M.Mg.

Registered No 832429  
Registered at above address