

CERTIFICATE OF CALIBRATION

ISSUED BY **C. V. INSTRUMENTS LTD**

DATE OF ISSUE

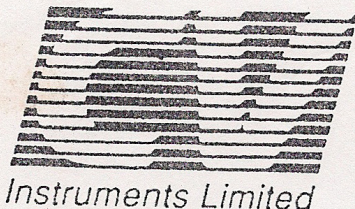
13 th Dec 1999

SERIAL NUMBER

01965



CALIBRATION
No. 0471



32 Leeds Old Road
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West Yorkshire
BD3 8HU

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APPROVED SIGNATORY

M.J. VINCENT
F. BROTHERTON

Name of Client : METRUS LABORATORIO DE CALIBRAÇÃO LTDA
Address of Client : RUA 25 de MARÇO, 179 - BOA VISTA - LIMEIRA - SP

Hardness Test Block:
& Identity

CV INSTRUMENTS LTDA
221 HB HARDNESS TEST BLOCK
SERIAL N° 1181 (MTR-0406)

December 13, 1999

Date of Calibration:

Calibration Procedure: The above Hardness Test Block has been examined in the calibration laboratory of C V Instruments Ltd and found to comply with the requirements of British Standard 891:1989 Clause 17.

The above Hardness Test Block has been calibrated on a standardizing machine complying to the requirements of British Standard 891:1989 and having hardness scales traceable to the UK National Hardness Scales defined by IMGC. The calibration of the Hardness Test Block showed that it complied with BS891:1989: Clause 18 and gave the following vaules:

Measurement Results

Mean Hardness Value: 224 HB
Manximum Hardness Value: 226 HB
Minimum Hardness Value: 224 HB
Thickness of Block: 9.92 mm

21 Degrees

Calibration Temperature:

+/- 5.0 HB

Uncertainty of Meaurement:

The uncertainties are for a confidence probability of not less than 95%

This certificate is issued in accordance with the conditions of accreditation granted by the National Measurement Accreditation Service, which has assessed the measurement capability of the laboratory and its traceability to recognised national standards and to the units of measurement realised at the corresponding national standards laboratory. Copyright of this certificate is owned jointly by the Crown and the issuing laboratory and may not be reproduced other than in full except with the prior written approval of the Head of NAMAS and the issuing laboratory.