CERTIFICATE OF CALIBRATION

ISSUED BY EURO PRODUCTS CALIBRATION LABORATORY DATE OF ISSUE 23.Julv.97

SERIAL NUMBER



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APPROVED SIGNATORY

D. Perkins T. Chandler

C. Perkins

Name and Address of Customer : Fortel Ind E Com Ltda

Hardness Test block Identity : EP9716452

Date of Calibration : 23.July.97

The above Hardness Test Block has been examined in the EURO PRODUCTS calibration laboratory and found to comply with the requirements of BS 427:1990:Clause 18, ASTM E92-1992:Clause 20 and ISO 640:1984:Clause 3. The above Hardness Test Block has been calibrated on a standardising machine complying to the requirements of British Standard 427: 1990, ASTM E92: 1992 and ISO 640: 1984, having hardness scales traceable to the UK National Scales defined by IMGC. The calibration made in accordance with BS427:1990:Clause 19, ASTM E92:1992:Clause 25 and ISO 640:1984: Clause 7 gave the following values.

MEAN HARDNESS VALUE : 788.6 HV5 Maximum hardness value: 791.6 HV5 Minimum hardness value: 785.6 HV5 Magnification used : x 250 Assigned Block Value : 789.0 HV5 Thickness of Block : 14.7 mm Identified Indent: 0.1080/0.1084 Av.= 0.1082 mm : 21 °C Calibration made at Uncertainty of measurement : + or - 1.5% HV + or - 0.0005 mm Approved Signatory.

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

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