

TRANSMISSION DENSITY STEPWEDGE FILM Cat. No. 15.15.08	SERIAL No.	190325
	S.R.M. I.D.	1806004
	DATE	

CALIBRATION CERTIFICATE

- a) **Unambiguous Identification**
The serial number is marked in indelible ink on the stepwedge. The same number appears on this certificate.
- b) **Measurement Standard and Calibration Status**
The measurement standard used is a National Institute of Standards & Technology, Standard Reference Material 38100C. Its serial number is shown at "S.R.M. I.D." above. IE-NDT LTD possesses a second NIST Tablet which is used to monitor the stability of the working master.
- c) **Traceability**
The certificate accompanying the NIST Tablet states that measurements leading to certification were made by the NIST Optical Technology Division.
- d) **Method of Calibration**
A densitometer (Equipment No. 201) was adjusted for zero and gain. Once stabilised, the accuracy of the instrument was checked against the Standard Reference Material. The displayed density readings were within +/- 0,01D of the nominal density values. The Transmission Density Stepwedge Film was measured using the pre-adjusted densitometer. The measured density of each step is shown below. The process was performed in accordance with IE-NDT LTD. Work Instruction MWI-04, a Controlled Document forming part of the Company's Quality System.
- e) **Statement of Compliance**
This item complies with the requirements of ASTM E1079-16 and as specified in ISO 5-3:2009
- f) **Calibration Results**
The results are given below.
- g) **Uncertainty of Measurement**
+/- 0,02D when compared against the Standard Reference Material.
- h) **Environmental Conditions**
Not relevant.
- i) **Date of Calibration**
As shown above at "Date".
- j) **Signature**
The signature of the person under whose authority this certificate is issued is shown at "Approved by" below.
- k) **Issuing Organisation**
IE-NDT LTD.
- l) **Validity**
The Stepwedge Film is valid for twelve months from the date of calibration.



STEP No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
DENSITY	0.15	0.46	0.70	1.02	1.43	1.63	1.83	2.00	2.21	2.66	3.08	3.47	3.87	4.32

Calibrated by:

Approved by:

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IE-NDT Ltd

AUTHORISED SIGNATORY

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