

FOMATEST SC 981

TEST STRIP FOR PROCESS MONITORING

Features

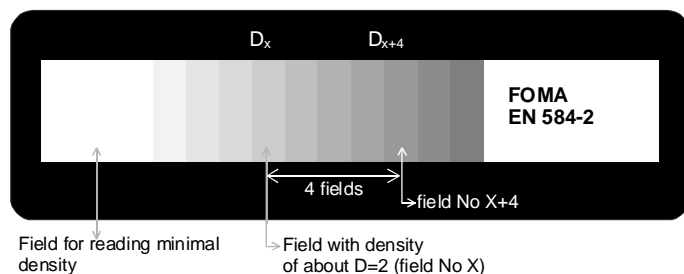
FOMATEST SC 981 is a pre-exposed test film strip designed for monitoring the quality of processing of INDUX radiographic films, in accordance with the requirements for classified film systems to EN 584-2 standard. It helps to monitor and optimize the processing system, to indicate the proper time for baths exchange or processor adjustment.

Packaging

Boxes of 25 sheets of daylight packaging: test strips are exposed on INDUX R5 or INDUX R7 film, size 6 x 24cm, and supplied as one-sheet, vacuum – sealed, lead screen containing FOMAPAK packages.

Test film exposure

To make a FOMATEST SC 981 test strips, a control pattern is X-ray exposed at Indux R5 or Indux R7 film. The test pattern consists of 10 fields with stepwise increasing exposure, completed by an area for minimum density reading and a space for sample identification data.



Application

1. Proof of standard processing according to EN 584-2

Classification of a film system into C1–C6 classes according to EN 584-2 anticipates a standard processing quality. If a proof should be presented to a customer that a given film series has been classified correctly according to EN 584-1 by an NDT workstation, it is necessary to check the processing quality by Fomatest SC 981 before and after the series. This test allows for measuring and evaluation of minimum density D_{min} , speed index S_x and contrast index C_x . If these sensitometric characteristics before and after processing of the series keep within the tolerated limits, the whole series is considered as satisfactory. The procedure of proofing is specified by EN584-2.

Application

2. Control and diagnostics of processing.

FOMATEST SC 981 test strips are processed in regular intervals in a given processing system. Values of minimum density, speed index and gradient index are evaluated from the test strip by means of a densitometer. As reference data, the test results are used that were measured and recorded at the beginning of the whole series, usually in fresh processing solutions. During regular monitoring of the process, the measured test strip speed and contrast index should not exceed the tolerable deviations from the reference data. In a chart, monitored values are plotted against time. If all parameters are within the tolerated limits, the process is considered satisfactory. More detailed instructions for use are attached.

Darkroom illumination

SC 981 test strips are handled and processed in the same way as other films of INDUX series, i.e. under indirect safelighting with a wavelength over 520 nm. Agfa R1safelight filter (dark red) or Agfa G7 (olive green) should be used with 25W bulb or LED sources (590 or 660 nm), at a minimum distance of 75 cm.

Processing

Test strips are designed for monitoring and control of any process used by a customer. Processing parameters are those commonly used by a customer, usually as recommended by the processing baths manufacturer. Processing based on other than FOMADUX baths may be also monitored by SC 981 test strips.

Storage

Unprocessed tests should be stored in the original packaging at the temperature not exceeding 20 °C, out of reach of harmful fumes and ionizing radiation.



The product is manufactured and marketed according to quality system specified by ISO 9001 Standards.