



CR Imaging Plate System



Bundesanstalt für
Materialforschung
und -prüfung

Certificate N°: BAM/ZBF/001/18

Hereby it is certified by the BAM Certification Body that the

Industrial CR Imaging Plate System

with the designation

Carestream INDUSTREX HPX-1 Plus using

Carestream INDUSTREX FLEX HR Digital Imaging Plates 6537

manufactured by

Carestream Health Inc.
Rochester, NY
USA

12200 Berlin, Germany
T: +49 30 8104-0
F: +49 30 8104-7 2222


meets the requirements of the highest system class IP 1/80 according to EN 14784-1:2005 and ISO 16371-1:2011 for industrial computed radiography with phosphor imaging plates for non-destructive testing, if the exposure dose is at minimum 14.9 mGy. This dose corresponds to a CEN-Speed and ISO-Speed of 64 at a pixel size of 25 µm. CR system performance level I according to ASTM E 2446-16 for non-destructive testing is fulfilled at an ISO speed of 160. The maximum basic spatial resolution is 80 µm. Other system classes (CEN: IP 2/80 to IP 6/80) and CR performance levels (ASTM: level II and III) can be reached with lower exposure dose values (see test report No. 8.3 / 8285a of 2018-02-07 for all characterization data). The spider net graph with the summary of the CR system characterization according to ASTM E2446-16 is presented on the back side of this certificate.

The certification is performed on the basis of certification contract N° BAM-ZBF-0005-2010-Carestream according to standard ISO/IEC 17065:2012 and comprises a design type test (BAM Certification System I).

The products certified by BAM may be labeled with the BAM certification mark „BAM Baumustergeprüft“ and/or “BAM Design-type tested” together with the certificate number.

This certificate is valid until **11 February, 2022**.

for Bundesanstalt für Materialforschung und -prüfung (BAM)
Unter den Eichen 87, 12205 Berlin, **2018-02-12**


Dr. R. Schmidt
BAM Certification Body

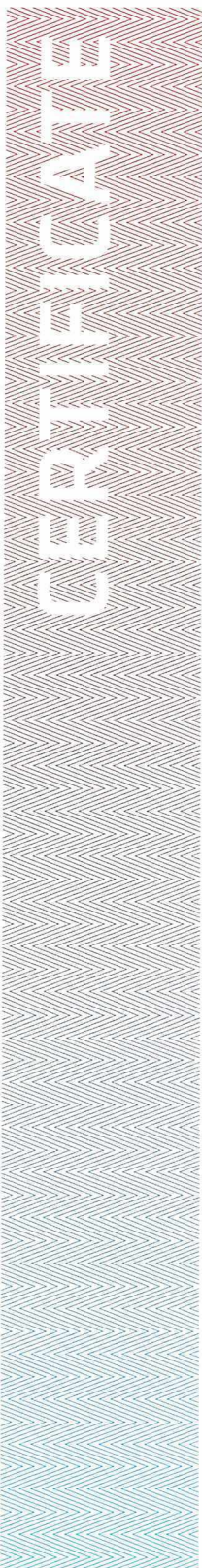



Dr. U. Zscherpel
Assessor

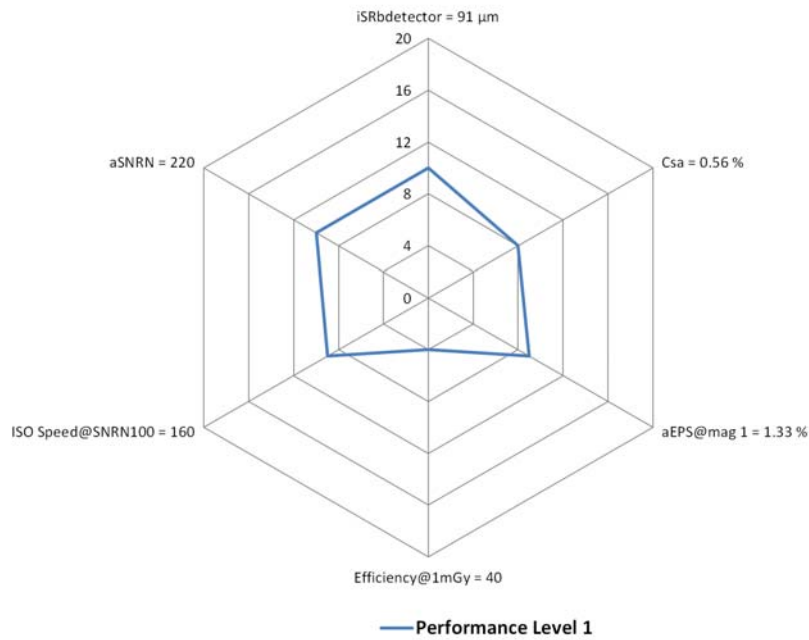
Distribution list: 1st Certificate holder 2nd BAM Certification Body

The BAM Certification Body has been accredited according to standard ISO/IEC 17065:2012 by the DAkkS (Deutsche Akkreditierungsstelle GmbH). The accreditation is valid for the scope given in certificate D-ZE-11075-21-00.

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Qualification of Carestream HPX-1 Plus system with Flex HR plates



System parameters:
Industrex scanner HPX-1 Plus S/N 1765
IP plates Flex HR type 6537
Scan resolution 25 μm
Laser low
PMT sensitivity 100

Annex to
Certificate BAM/ZBF/001/18
of 2018-02-12



CR Imaging Plate System



Bundesanstalt für
Materialforschung
und -prüfung

Certificate N°: BAM/ZBF/002/18

Hereby it is certified by the BAM Certification Body that the

Industrial CR Imaging Plate System

with the designation

Carestream INDUSTREX HPX-1 Plus using

Carestream INDUSTREX FLEX XL Blue Digital Imaging Plates 5537

manufactured by

Carestream Health Inc.
Rochester, NY
USA

12200 Berlin, Germany
T: +49 30 8104-0
F: +49 30 8104-7 2222

meets the requirements of the highest system class IP 1/50 according to EN 14784-1:2005 and ISO 16371-1:2011 for industrial computed radiography with phosphor imaging plates for non-destructive testing, if the exposure dose is at minimum 13.1 mGy. This dose corresponds to a CEN-Speed and ISO-Speed of 80 at a pixel size of 25 µm. CR system performance level I according to ASTM E 2446-16 for non-destructive testing is fulfilled at an ISO speed of 160. The maximum basic spatial resolution is 50 µm. Other system classes (CEN: IP 2/50 to IP 6/50) and CR performance levels (ASTM: level II and III) can be reached with lower exposure dose values (see test report No. 8.3 / 8285b of 2018-02-08) for all characterization data). The spider net graph with the summary of the CR system characterization according to ASTM E2446-16 is presented on the back side of this certificate.

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Unter den Eichen 87,12205 Berlin, **2018-02-12**

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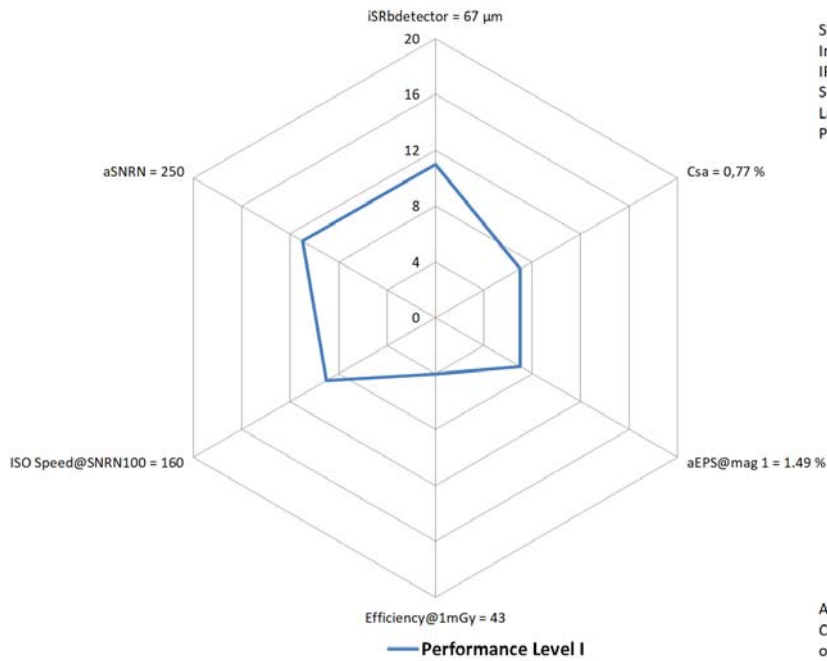
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CERTIFICATE

Qualification of Carestream HPX-1 Plus system with Flex XL blue plates



System parameters:
Industrex scanner HPX-1 Plus S/N 1765
IP plates Flex XL Blue type 5537
Scan resolution 25 μm
Laser low
PMT sensitivity 100



Annex to
Certificate BAM/ZBF/002/18
of 2018-02-12