



## CR Imaging Plate System

**Certificate N°: BAM/ZBF/001/18**



**BAM**

Bundesanstalt für  
Materialforschung  
und -prüfung

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

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: 1<sup>st</sup> Certificate holder

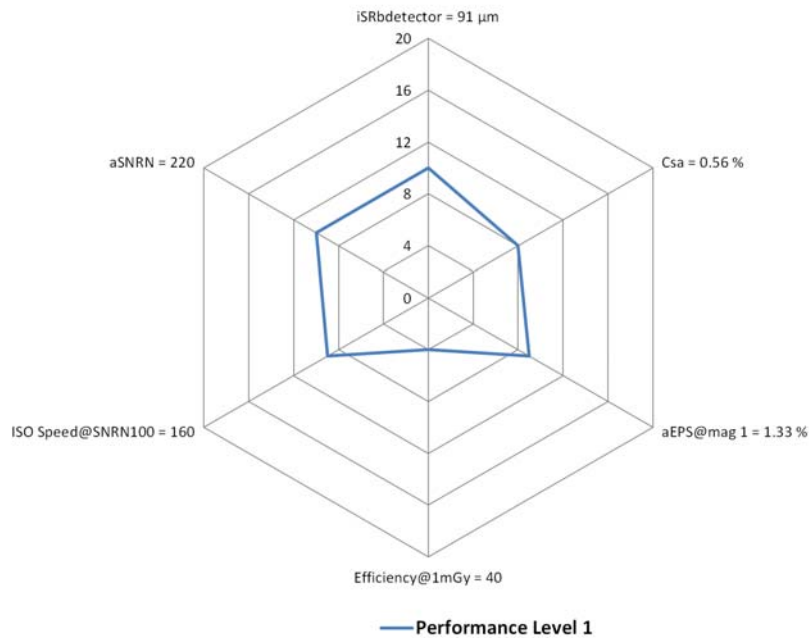
2<sup>nd</sup> BAM Certification Body

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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CERTIFICATE

## 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  $\mu\text{m}$   
Laser low  
PMT sensitivity 100

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