



CR imaging Plate System

Certificate N°: BAM/ZBF/003/15
1st revised version



Bundesanstalt für
Materialforschung
und -prüfung

Hereby it is certified by the BAM Certification Body that the

Industrial CR Imaging Plate System

with the designation

HD-CR 35 NDT Plus

using **Imaging Plates UH-IP**

of the manufacturer

DÜRR NDT GmbH & Co. KG
74321 Bietigheim-Bissingen
Germany

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

meets the requirements of the highest system class IP 1 / 30 according to EN 14784-1:2005 and ISO 16371-1:2011 for industrial computed radiography with imaging plates for non-destructive testing, if the exposure dose is at minimum 18 mGy. This dose corresponds to a CEN speed and ISO speed of 50 at a scanner pixel size of 15,5 µm. CR system performance level III according to ASTM E 2446-16 is fulfilled at an ISO speed of 400. The maximum basic spatial resolution is 30 µm. Other system classes (CEN/ISO: IP 2 / 30 to IP 6 / 30) can be reached with lower exposure dose values (see test report No. 8.3/7843 of 2015-05-25). The spider net graph with the summary of the CR system characterization according to ASTM E 2446-16 is presented on the back side of this certificate. Procedure N°. BZS-GS/089/18 forms the basis of this 1st revised version.

The certification is performed on the basis of certification contract N° BAM-ZBA-0001-2006-Dürr, 2nd revised version, according to 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.

The certificate is valid until 21 May 2023.

for Bundesanstalt für Materialforschung und -prüfung (BAM)
Unter den Eichen 87, 12205 Berlin, **2019-05-22**

Dr. R. Schmidt
BAM Certification Body



Dr. U. Zscherpel
Assessor

Distribution list: 1st Certificate holder

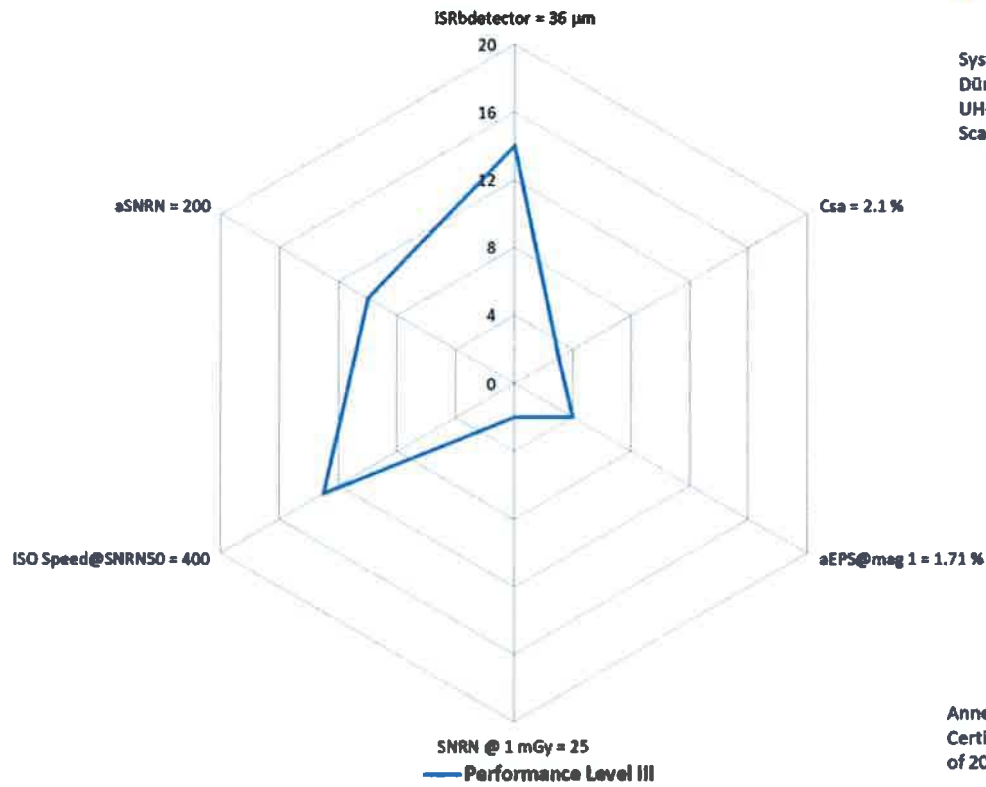
2nd BAM Certification Body

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.

This certificate may only be published in full wording and without any additions. A revocable written consent shall be obtained from BAM beforehand for any amended reproduction or the publication of any excerpts. The German version is legally binding, except an English version is issued exclusively. Place of jurisdiction is Berlin.

CERTIFICATE

Qualification of Dürr HD-CR 35 NDT+ scanner with UH-IP imaging plates according to ASTM E 2446-16:



System parameters:
Dürr HD-CR 35 NDT+ scanner
UH-IP imaging plates B5CYNU
Scan resolution 15,5 µm

Annex to
Certificate BAM/ZBF/003/15
of 2019-05-22