

CAWO Intra Oral Dental Imaging Plates



Tailor-made solutions for intra-oral
dental High-Resolution applications

 **Solutions**

TECHNICAL DATA

Standard sizes

Size 0: 22 x 35 mm

Size 1: 24 x 40 mm

Size 2: 31 x 41 mm

Size 3: 27 x 54 mm

Size 4: 57 x 76 mm

Other formats could be realized.



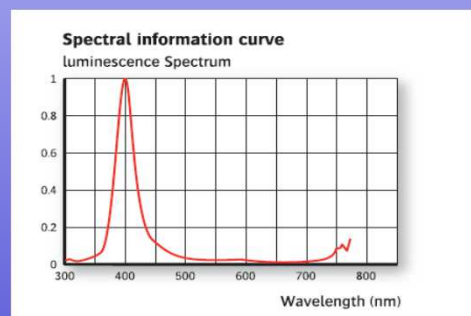
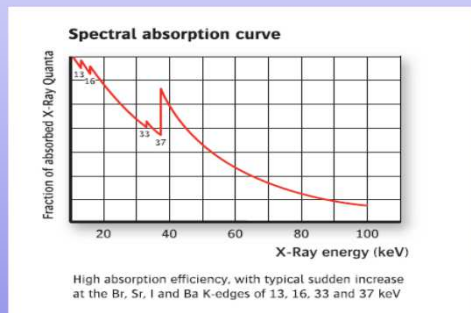
Phosphor composition

BaSrFBr:Eu

Typical luminescence 400 nm

Recommended storage and use conditions

- Packaged: <math><34^{\circ}</math> C (93° F)
- Not packaged: 15-34° C (59-93° F)
- Relative humidity: 30% - 80%



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CAWO Intra Oral Dental Imaging Plates

CAWO Intra Oral Dental Imaging Plates are specially designed for High Resolution applications for intra-oral dental use. The extra-thin-design grants highest comfort during exposure for the patient.

Excellent image quality

The homogeneity of the specially designed, fine-grain-phosphor is outstanding. The response time is extreme short and the previous pixel is completely faded before the next one is stimulated. As a result, a high level of sharpness at all spatial frequencies is achieved and optimum Signal-to-Noise-Ratio (SNR) is attained.

In addition to outstanding homogeneous high absorption efficiency is also a feature of this storage phosphor.

The special design of CAWO Intra Oral Dental Imaging Plates enables the visualization of the finest details / structures.

Long lifetime

CAWO Intra Oral Dental Imaging Plates are protected by an electron-beam-cured (EBC) top coat. This results in plates with superb resistance to mechanical wear and almost immunity to chemical cleaning solutions (recommended CAWO Imaging Plate Cleaner). A new adhesive layer is an additional improvement for the imaging plate's stability, guaranteeing superior durability. In addition a special border-sealing protects the storage phosphor.

Easy evaluation

CAWO Intra Oral Dental Imaging Plates have an extremely wide dynamic range. This results in a wide tolerance for varying exposure conditions. Electronic interpretation and setting of the exposure is very user-friendly.

Image retention

- Readout is recommended within 1h after exposure.
- Two hours after exposure 70% of the stored energy still is present with no visible loss of information upon readout.
- Image retention still exceed 45% after 24h.

Complete solutions

CAWO offers complete package solutions for OEM customers. Including customized printing on active and passive side and packaging in end user boxes.

Cleaning and maintenance

Regularly cleaning with **CAWO Imaging Plate Cleaner** is recommended.



The data in this publication are for illustration purposes only and does not necessarily represent standards or specifications which must be met by CAWO.

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