HOHENSTEIN

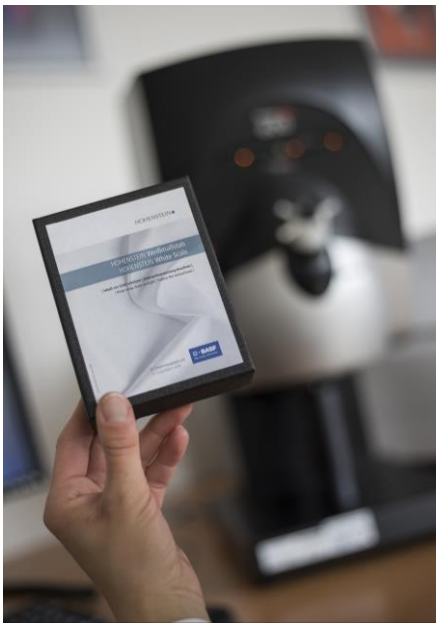
Hohenstein “White Scale” (Transfer Standard)

Objective

The Hohenstein "White Scale" is used to calibrate UV intensity in illumination of the spectral photometer to provide exact, reproducible measurement of the degree of whiteness of fluorescent white samples (textiles, paper, synthetics, detergents).

Description

A set of four convenient white standards made of cotton with uniformly spaced sensitivity levels for UV calibration (level 1 – non-fluorescent). It is possible to measure the degree of whiteness according to "Ganz" and shade variation according to "Ganz/Griesser" as well as tint values according CIE. There are three different types:



- Type 1, Article No. 830 can be used with measurement devices equipped with a movable UV filter, e.g. Datacolor International, XRite, HunterLab, Lorentzen & Wettre, Minolta.
- Type 2, Article No. 831 is like Type1, but with additional documented remission values. UV adjustment is calculated by measuring and entering values. It can only be used with suitable devices (e.g. Minolta, CM-36xx- or CM-26xx-series).
- Type 3, Article No. 835 is similar to Type 2, but calibration data are also provided on a mini-CD that can be directly read into the software. This is only suitable for the "Polaris" measurement system.

The article is particularly well-suited for:

- Calibration of all spectral photometers in which UV light sample illumination can be calibrated by a filter or numerically
- Textile, paper, synthetic and detergent industries

Advantages for you as the customer:

- Accurate, comparable and reproducible measurement of white, fluorescent samples.
- Makes whiteness level measurements possible according to the Ganz/Griesser method, which is currently the most reliable way to assess whiteness.
- In addition to assessing the whiteness level, the color cast (red cast, neutral or green cast) also takes place.

Labels & certificates

A certificate with nominal values and information on traceability is included.

Additional information about the product:

Storage:
Standard samples should be stored in the original packaging at room temperature in a dark place.

Shelf life:
Durability of the Hohenstein “White Scale” is three months.

Delivery time:
10 working days

HOHENSTEIN

Hohenstein Illumination Control Samples (Transfer Standard)

Objective

The aim is to maintain a constant UV intensity in spectral photometer illumination after calibration with the Hohenstein white scale to enable reproducible measurements of the degree of whiteness of fluorescent white samples.

Description

Standard sample for monitoring or correction of the originally set illumination conditions. The synthetic samples are universally applicable for different materials. The re-adjustment of UV intensity is mechanically done at the measurement instrument (Gaertner/Griesser method), or it can be calculated using documented remission values.

There are two different types:

- **Synthetic A**, 1 synthetic plate (60 x 90 mm), with double-sided matte finish and two marked measurement points each < 35 mm in diameter.
- **Synthetic C**, 1 synthetic plate (50 x 75 mm) matte, without markings or measurement points, and therefore suitable for larger measuring diaphragms.

The article is suited for:

- spectral photometers, in which the UV content of sample illumination can be calibrated by a filter or by using numerical methods
- Textile, paper, synthetic and detergent industries

Your advantages as a client:

- UV excitation of fluorescent samples kept constant over a longer period of time
- Compensation of age-related changes in the UV intensity of sample illumination
- Reproducible measurement of whiteness level of fluorescent samples

Additional information about the product:

Storage:
Standard samples should be stored at room temperature in a dry, dark place.

Shelf life:
Synthetic samples: 1 year

Delivery time:
10 working days