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FLUORILON GRAY SCALE STANDARDS

Gray scale diffuse reflectance standards

Categories: PHYSICAL STANDARDS, REFLECTANCE STANDARDS

Product Information Ordering

Gray scale standards are essential for establishing the photometric linearity of a reflectance spectrometer.

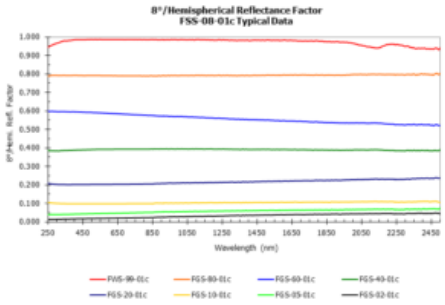
Avian Technologies Fluorilon™ gray scale standards allow the user to calibrate an instrument over a 2 decade range of reflectance, which is well over the typical range seen by a reflectance instrument. The materials are

highly diffuse and have little angular dependence and almost no gloss; specular included and excluded geometries will show little difference in reflectance values.

Options/Specifications

Nominal reflectances at 600 nm	2%, 5%, 10%, 20%, 40%, 60%, 80%, 99%*
Calibration	Calibrated or uncalibrated
Dimensions	Round: 1.25" or 2.00" diameter active optical area
Sets	Available in sets of 4 or 8 (presented in a waterproof plastic box), or individually

*Tolerance is +/- 1% at 600 nm for 2%, 5%, and 99% standards. All others have a tolerance of +/- 2%.



Typical 8° hemispherical reflectance for FSS-08 set: click for full size

Excel file of above data

In addition to round standards, we offer square targets in the same material. Custom sizes & sets are also available; contact us to discuss your specific application.

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