

Spectralon® Color Pastel Standards

Consistent reflectance for unpredictable or tight color tolerance situations



VALUE

Highly diffuse, eliminating errors due to viewing angle

Consistent reflectance to eliminate gross margins of color-dependent products

Thermally stable for a wide range of environmental conditions

Durable, washable, and waterproof

Data includes tristimulus values, chromaticity coordinates, UCS coordinates, and CIELAB and CIELUV values

Available calibrated or uncalibrated, in 1.25 or 2 inch diameters, and in multiple configurations

Colors include red, green, blue, yellow, cyan, orange, purple, violet

APPLICATIONS

Quality control of paints, pulp and paper

Color matching textiles

OEM instrument color standards

Flexible

Spectralon color pastel standards are ideal for use in laboratory or manufacturing situations where the environment may be unpredictable, or where tight color tolerances are required. These color pastel standards provide highly stable, reproducible spectral reflectance. The pastel line of color standards exhibits the same high reflectance properties found in all Labsphere Spectralon products: lambertian behavior, stability, and durability.

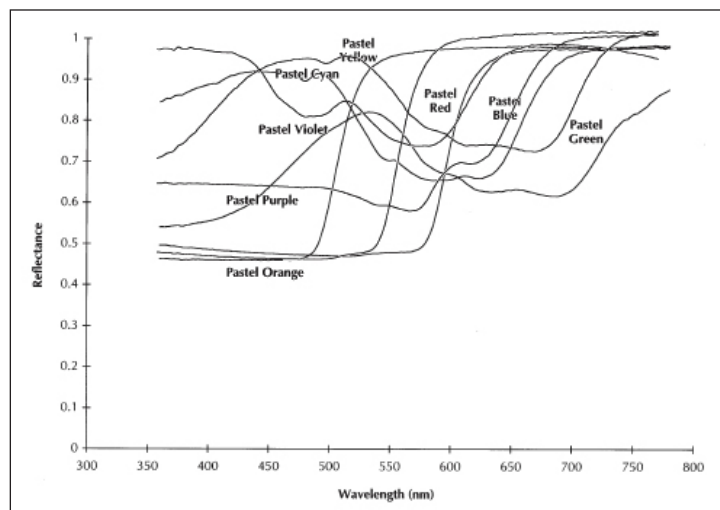
Consistent

The reflectance of color pastel standards is extremely consistent and reproducible. The standards are designed to aid in developing consistent color reproduction for manufacturers of paper and textiles, where colors are frequently less saturated than those used in plastics or metals. Consistent reflectance is critical for quality control in the manufacturing process.

Spectralon Color Pastel Standards are non-thermochromic; this means that their color remains consistent because they are not affected by temperature shifts in the manufacturing or laboratory environment. Because of the thermally stable properties of these color pastel standards, there is no need to control temperature in a laboratory setting. This attribute makes the standards especially well suited to sites where temperature swings may exceed 10°C.

Accurate

All standards are spectrophotometrically calibrated in our state-of-the-art Reflectance Research Laboratory. Calibration is available in 0°/45° hemispherical geometry or 8° hemispherical geometry. Data is included for illuminants A/C and D65 for both CIE 1931 observer and CIE 1964 10° observer. A calibration certificate accompanies each set which includes test and test method explanations and calibration results including 8°/Hemispherical Reflectance Factor, and Colorimetric Data. Colorimetric data includes Tristimulus Values, Chromaticity Coordinates, UCS Values, CIELUV, and CIELAB.



Specifications

Part Number	Order Number	Number of Colors	Number Of Neutrals	Reflective Area (Inches)	Description
SCPS-04-010	AS-01400-000	4	0	1.25 D	red, green, blue, yellow
SCPS-04-020	AS-01401-000	4	0	2.00 D	red, green, blue, yellow
SCPS-04A-010	AS-01402-000	4	0	1.25 D	cyan, orange, purple, violet
SCPS-04A-020	AS-01403-000	4	0	2.00 D	cyan, orange, purple, violet
SCPS-08-010	AS-01404-000	4	4	1.25 D	red, green, blue, yellow 99%, 75%, 50%, 2%
SCPS-08-020	AS-01405-000	4	4	2.00 D	red, green, blue, yellow 99%, 75%, 50%, 2%
SCPS-08A-010	AS-01406-000	8	0	1.25 D	red, green, blue, yellow, cyan, orange, purple, violet
SCPS-08A-020	AS-01407-000	8	0	2.00 D	red, green, blue, yellow, cyan, orange, purple, violet
SCPS-12-010	AS-01408-000	8	4	1.25 D	above eight colors and 99%, 75%, 50%, 2%
SCPS-12-020	AS-01409-000	8	4	2.00 D	above eight colors and 99%, 75%, 50%, 2%