

Product number: KS-660

**Product name: 550–670 nm Fluorescence
Polarization Standard**

Description

- Fluorescence polarization standard for the excitation range between 550 and 670 nm.

Applications

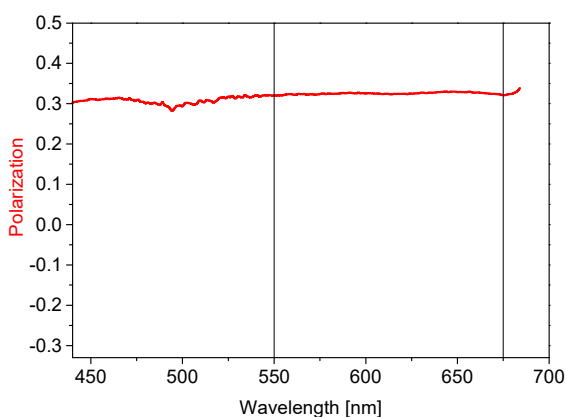
- Calibration of fluorescence instrumentation equipped with polarizers for fluorescence polarization measurements.

Storage

- Refrigerated in absence of light.

Spectral Data

Solvent	Excitation Range [nm]	Emission Range [nm]	Fluorescence Lifetime at 25 °C [ns]	Polarization at 25 °C [mP]
Phosphate buffer pH 7.4	550–670	670–720	0.27±2	323±4



Excitation polarization spectrum of **KS-660** at 25 °C in phosphate buffer pH 7.4. The fluorescence polarization is constant at 323±4 mP between 550 nm and 670 nm

Sample Preparation

The standard is supplied as a solid in a 7 mL vial. The supplied standard is to be dissolved in its original vial with 4 mL of distilled or deionized water. For measurements the solution is then transferred to an optical cuvette using a syringe filter, e.g. 0.45 mm GHP ACRODISC (PALL), (not included). Do not store these solutions for an extended period of time.