

## INSTRUMENTS

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### PHOTOMETER COLOUR STANDARDS

#### FOR CHECKING PHOTOMETERS, SINGLE PARAMETER INSTRUMENTS AND HAND HELD PHOTOMETERS

Palintest colour standards provide a simple means of checking photometers, single parameter and hand held photometers. These working standards may be used for carrying out blank or calibration checks on instruments on a routine basis.

The standards are supplied in sealed tubes and are individually calibrated on instruments traceable to NPL transfer standards. The chemicals used are tractable to BS 6376 and ISO 6353 standards. The test values relating to each standard are shown on the accompanying certificate.

#### Instructions for Use :-

- 1 Use the photometer, single parameter instrument or hand held photometer in the normal manner (see instrument instructions). If applicable, set the wavelength, parameter or range appropriate for the standard being used.
- 2 Wipe the tubes with a clean tissue before use to remove condensation and finger marks.
- 3 Insert the standard blank into the instrument with the T mark facing the user. Set the blank referring to the instrument instructions.
- 4 Place the colour standard into the instrument with the V mark facing the user and take the test reading. The reading should correspond to the calibration value within the stated tolerance.

#### Notes:-

- 1 Calibration checks should be made indoors under normal daylight or artificial lighting conditions. Avoid working in direct sunlight or directly under powerful artificial light. Calibration checks should be carried out at a temperature of 20 - 25°C.
- 2 Replace standards in the case after use. Store under cool conditions and out of sunlight. Do not use the standards after the stated expiry date.
- 3 Palintest colour standards are for use with Palintest instrument(s) / optical system specified on the certificate. Test values may not correspond with other optical systems or instruments.

#### Compliance with Standards

Palintest photometer-based instruments have factory set calibrations. The electronic circuitry is designed to compensate for any variations in operations conditions or electronic components. Instrument calibrations should not change during normal use. In the event of non-compliance with the colour standards the instrument should be returned to Palintest Technical Service Department, or an authorised distributor, for servicing.

**For use as calibration standards only. Standards are made up in a 2% acid solution. Do not remove the seal or open the tubes.**