



PRODUCT DATA SHEET DISPOSABLE SPECTROPHOTOMETER CUVETTE

Description

Disposable cuvettes for spectrophotometry, produced in high-performance plastic material (Optical Polystyrene).

Intended Use and CE mark

They are intended for general laboratory use and for analysis of fluid samples coming from the human body, according to the European Directive 98/79/EC on in Vitro Diagnostic medical devices (IVDD), and are marked CE.

Main Features

Equipped with a reference arrow for the correct insertion in the spectrophotometer housing. The two non-reading walls are intended for handling the cuvettes and, having grooved surfaces, to prevent positioning mistakes in the spectrophotometer housing.

Produced with highly automated technology to improve performance, they are automatically packaged in Styrofoam boxes of 100 pieces, are all homogeneous with each other because they come from the same mould cavity. This guarantees repeatability and constant transmittance, and save the user's time and materials, by carrying out a single calibration test ("blank" reading) at the beginning of the activity.

The Styrofoam boxes help to protect the cuvette surfaces with the optical path from accidental scratches. Shipped in cardboard cases containing 10 Styrofoam boxes of cuvettes with the same mould cavity.

Versions and Dimensions

Version	LP Code	External Dimensions	Optical Path	Optical Window	Capacity
MACRO	111117	12X12X45 mm	10 mm	-	4 ml
MICRO	112117	12x12x45 mm	-	4x22 mm	2 ml

The MACRO cuvette is also suitable for fluorimetry and nephelometry.

LP ITALIANA SPA

Optical Features

Minimum transmittance: from 80% to 90%, between 400 and 800 nm.

Absolute minimum transmittance: 67% at 340 nm.

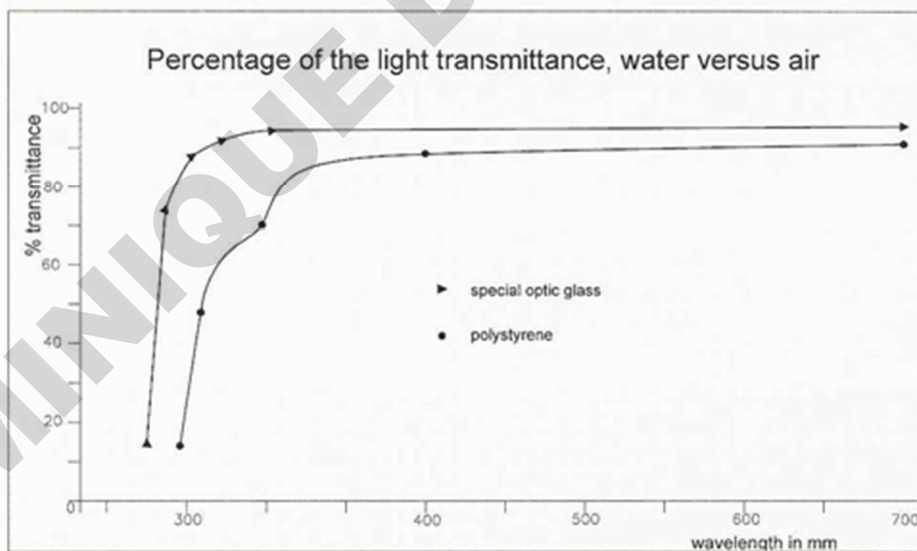
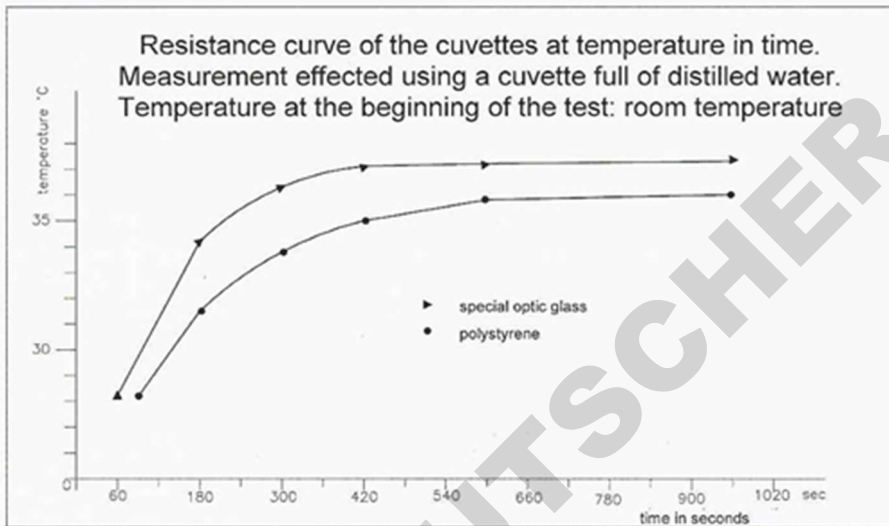
Average transmittance of cuvettes from multiple cavities: 70% at 340 nm.

Maximum transmittance variability between cuvettes from the same box 4%.

Maximum variability between readings of the same cuvette turned by 180°: 2%.

Accuracy in light absorption $\pm 1\%$.

Optical path: 10 mm, with a tolerance of less than 1%, measured from the bottom.



Environmental Information

The product can be recycled in accordance with local laws regarding the disposal of plastic waste.

All dimensions and volumes indicated are nominal. Technical specifications are subject to change without notice