

matched cells

Also contains definition of: reference cell (or blank cell) *in spectrochemical analysis*

in spectrochemical analysis

A pair of cells with closely similar optical properties are called matched cells. One cell is the sample cell while the other, the reference (or blank) cell contains the solvent or a reference solution. In double beam spectrometers, radiation is passed either simultaneously or alternately through the cells. In single beam instruments the cells are moved sequentially into the radiation beam.

Source:

PAC, 1988, 60, 1449 (*Nomenclature, symbols, units and their usage in spectrochemical analysis - VII. Molecular absorption spectroscopy, ultraviolet and visible (UV/VIS) (Recommendations 1988)*) on page 1453