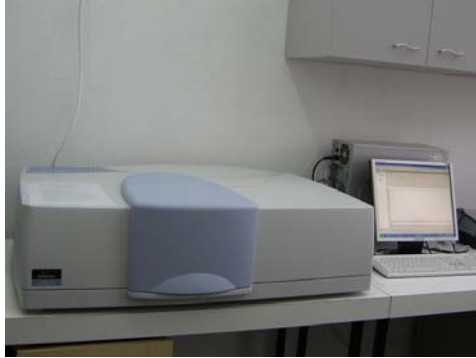


UV-VIS-NIR spectrophotometer, model Lambda 90, Perkin Elmer



Technical details:

- excitation sources: tungsten and deuterium lamps
 - double monochromator equipped with 1140tr/mm (UV/VIS range) and 360 tr/mm (NIR range) gratings
 - detectors: R6872 (UV/VIS range) and PbS-Peltier effect cooled (NIR range) photomultipliers
 - beam splitter: 46 Hz chopper
 - Acquisition & control software: UV WinLab 5.2.0
 - accessories: integrating sphere and universal reflectance accessory
- Performances:
- spectral range: 175-3300nm
 - resolution: δ 0.05nm (UV/VIS), δ 0.2nm (NIR)
 - wavelength precision: \pm 0.08nm (UV/VIS), \pm 0.3nm (NIR)
- Experiment types: absorbance (A), transmittance (%T), reflectance (%R), energy from sample beam (E1), energy from reference beam (E2)