Methods, IAAC, Hillebrecht

UV-Vis Spectroscopy

Model:
Unit and Room:
Responsible:
Further
information:

Varian Cary 1E UV-Vis Spectrometer Inorg. Chem., R. 142, (Chem. I) Dr. Thilo Ludwig

http://portal.uni-

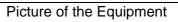
freiburg.de/fkchemie/Ausstattung

Short Description:

Cary 1E UV-Vis spectrometer equipped with mercury UV lamp and halogen Vis lamp.

Available Experiments/Techniques:

Absorption and diffuse reflectance measurements (190-900nm)





Special Equipment:	
Sample holder for solid samples, integrating sphere for reflection measurements	
Measurements on the equipment are currently done by:	☐ Students ☐ Students after Introduction ☐ Students after extensive training ☐ Trained scientific service personal
Recent Publications, where this instrument was important (optional): Give citation	
Typical problems that may be solved with this instrument:	Characterization of optic transitions (absorption bands and band gaps), measurements on reflecting samples