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variables that affect calibration quality. then, how **x-ray photoelectron spectroscopy demonstrations aim ...** - theory and practice: background x-ray photoelectron spectroscopy, also popularly known as electron spectroscopy for chemical analysis (esca), is a surface-sensitive analytical technique that relies on the photoelectric effect discovered by einstein (nobel prize 1921). it is a semi-quantitative method for obtaining composition **fundamentals of uv-visible spectroscopy (5965-5123e)** - are used increasingly to evaluate data; good laboratory practice has grown in importance; and a new generation of diode array spectrophotometers is characterized by much improved performance. with this primer, our objective is to review all aspects of uv-visible spectroscopy that play a role in obtaining the best results.

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