

2016 SSCC2473 Tutorial 01

Determination of concentration of benzene in ethanol solution by using UV spectrum. The measurement of benzene-ethanol solution with a 2.0 [cm] quartz cuvette cell showed that there was a particular peak in the spectrum at 260 nm which attributed to benzene with the absorbance of this peak was about 0.80. In the reference source, the molar absorptivity of the benzene band in ethanol was 230 [1/(Mcm)]. What is the concentration of benzene in the sample?

–> submit your answer (hardcopy) to C18-308 by 17 April 2016.