

CHARACTERIZATION OF NANOPARTICLES IN FLUIDS WITH QUARTZ CRYSTAL MICROBALANCE (QCM)

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Abstract: *In this paper we study and develop a simple method to characterize nanoparticles in liquid media using Quartz Crystal Microbalances (QCM). For this we used five types of nanoparticles in ultra-pure water (deionized water): Ag, Au, Pd, Ti and Fe. The nanoparticles have the size of between 70 nm and 80 nm, and the concentration was about 20 mg/l (20 ppm).*

Keywords: Quartz Crystal Microbalance, Nanoparticles, Nanocolloids

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