

# Voltammetric determination of melatonin and pyridoxine (vitamin b6) in tablets

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Melatonin and Vitamin B6 can be oxidized at the glassy carbon electrode showing well-resolved anodic peaks by differential pulse voltammetry. Vitamin B6 shows an oxidation peak potential of about 650 mV vs Ag/AgCl in ammonia buffer pH 9 and the peak of melatonin shows an peak potential of 840 mV vs Ag/AgCl in Britton-Robinson buffer pH 2. Both peaks show a linear relation with concentration and consequently are useful for quantification.