

Extraction-photometric determination of N',N' -dialkylhydrazides of p -tert-butylbenzoic acid in the form of copper(II) complexes

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Abstract

A technique of extraction- photometric determination of N',N' -dialkylhydrazides of p -tert-butylbenzoic acid of the general formula n -tert-BuC₆H₄CONHN(R)₂ R = C₄H₉-C₁₀H₂₁ has been developed. The technique is based on the ability of these compounds to form colored Cu(II) complex, followed by its extraction with hexane and photometric determination at 330 nm (0.005-0.025 mmole of determinable substance in a sample) and at 460 nm (0.1-0.35 mmole of determinable substance in a sample).