

**-OIL SHALE RESORCINOLS –  
EFFECTIVE REAGENTS FOR NITRITE.  
AN ALGORITHM FOR THE CONCENTRATION  
EFFECT**

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*An algorithm is deduced to describe the effects of nitrite and central cation concentrations on the optical density when nitrite is tested as a nitrosoalkyl-resorcinolate complex. The values of the apparent stability constant and molar extinction coefficient valid at the optimum pH found are estimated for cobalt tri-(4-nitroso-5-methylresorcinolate), cobalt tri-(4-nitroso-2,5-dimethylresorcinolate), iron(II) di-(4-nitroso-5-methylresorcinolate) and iron(II) di-(4-nitroso-2,5-dimethylresorcinolate).*