







# Identification of the nonlinear optical properties for a mixture of Sudan yellow 3G and poly methyl methacrylate for optical limiting applications

Watan H. Jabber<sup>a</sup>, Qusay M.A. Hassan<sup>a</sup>  , F.A. Al-Saymari<sup>a</sup>

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## Abstract

A mixture of sudan yellow 3G dye and poly methyl methacrylate film is fabricated by casting. The optical constants are determined using measurements of absorbance, transmittance, and reflectance spectra. The indirect optical band gap is obtained from