

A SPECTROPHOTOMETRIC METHOD FOR THE QUANTITATIVE DETERMINATION OF FURAN
ALDEHYDES AND THE PRODUCTS OF THEIR TRANSFORMATIONS IN REACTION MIXTURES

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We have studied the UV spectra of a number of furan compounds: aldehydes (furfural derivatives), alcohols (obtained by reduction of the aldehydes with amalgam), and acetals (products of the reaction of the furan aldehydes with aliphatic and aromatic alcohols, and also with tris(hydroxymethyl)propane).

A spectrophotometric method suitable for the determination of all the individual substances mentioned, even when they are present in reaction mixtures, has been developed. The method can be used for the quantitative determination of various compounds of the furan series.

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