

APPLICATION OF HIGHER INTEGRAL
MOMENTS FOR STUDY OF THE STRUCTURE
FORMATION IN AQUEOUS-MICELLAR
SOLUTIONS BY VIBRATIONAL
SPECTROSCOPY OF PROBES

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S u m m a r y

The experimental study by Raman spectroscopy of the dynamics of a probe (CDCl_3) in the aqueous solution $\text{C}_{12}\text{H}_{25}\text{SO}_4^- \text{Na}^+$ has shown that highest integral moments of a line (C^-D) are very sensitive to structural transformations in the micellar system. The parameters of spectral moments precisely specify the area of transformation of micellar structures in the aqueous solution. The definition of moments was carried out on the central region of the experimental contour, proceeding from the approximating form of the band obtained by the Mori method.