

THE EFFECT OF ADSORPTION MODIFYING ON AGGREGATE STABILITY AND SURFACE PROPERTIES OF NANO DISPERSED β -SIALON

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Aggregate and sedimentation stability of liosol of β -sialon have been modified by surfactant of different chemical nature. It is suggested to use aggregation coefficient as characteristic of phase-to-phase interactions. Isotherms of surface charge of β -sialon have been measured and analyzed. Optimal concentration and ion activity of surfactants is determined for getting stability dispersed systems.