Studies of vitamin C antioxidative activity in the N-oxide surfactant solutions.

Autorzy

K. Niedziółka

M. Szymula

Agnieszka Lewińska

Kazimiera A. Wilk

Jolanta Narkiewicz-Michałek

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Streszczenie

The results of vitamin C atmospheric oxidation in the N-oxide surfactant solutions obtained by UV-Vis spectroscopy are presented. As follows from our studies, in the solutions containing N-oxides vitamin C undergoes atmospheric oxidation more readily than in pure water and the rate of oxidation increases with the increasing surfactant concentration. The stabilizing effect of high surfactant concentration on vitamin C was not observed as it was the case of ionic surfactants: SDS and CTAB.

Słowa kluczowe

Vitamin C, Antioxidant activity, Surfactants system, Aliphatic mono-and di-N-oxides, Atmospheric oxidation

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