

Determination of Nonionic Surfactants in Cold Rolling Oil of Emulsion Type by High Performance Liquid Chromatography

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Abstract

In determination of nonionic surfactants in cold rolling oil of emulsion type, new pretreatment which is not filtration of iron fines but dissolution of iron fines by combination of citric acid and a microwave irradiation (2.45GHz) was investigated. In addition, by combination of silica gel packed column chromatography and HPLC, the nonionic surfactants were determined in the yields from 82% to 98%.

This paper was presented at Analytical Sciences vol. 7 Supplement 1991.

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