

Controlled-potential coulometry for the analysis of carboxylic acids

Abdullina S., Lira O., Ziyatdinova G., Budnikov G., Kodryanu N.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Coulometric titration methods with potentiometric indication of the end-point have been developed for determining benzoic, salicylic, nicotinic, and ascorbic acids in various pharmaceutical dosage forms, liniments, and aqueous alcohol solutions. The relative standard deviation was within 0.01-0.02. © 2009 Springer Science+Business Media, Inc.

<http://dx.doi.org/10.1007/s11094-009-0307-y>

Keywords

Carboxylic acids, Controlled-potential coulometry, Electrogenerated hydroxide ions, Pharmaceutical analysis