

Beer classification based on the array of solid-contact Potentiometric sensors with thiacalixarene receptors

Stoikova E., Dolgova N., Savel'ev A., Galukhin A., Stoikov I., Antipin I., Evtyugin G.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Potentiometric sensors based on carbon electrodes made by screen-printing and glassy carbon electrodes covered with electropolymerized polyaniline and thiacalix[4]arene receptors have been developed for discrimination of various beer brands using three sensors. The prediction was 100% true according to principal component analysis and linear discriminant analysis. © 2014 Springer Science+Business Media, Inc.

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Keywords

Beer classification, Linear discriminant analysis, Polyaniline, Potentiometric sensors, Principal component analysis, Thiacalix[4]arenes