

Russian Chemical Bulletin 2014 vol.63 N1, pages 223-231

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

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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.

<http://dx.doi.org/10.1007/s11172-014-0417-x>

Keywords

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