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1 **Cyclodextrins in Capillary Electrophoresis: Recent developments and**
2 **new trends**

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9 **ABSTRACT**

10 Despite the fact that extensive research in the field of separations by capillary
11 electrophoresis (CE) has been carried out and many reviews have been published in the
12 last years, a specific review on the use and future potential of cyclodextrins (CDs) in CE
13 is not available. This review focuses the attention in the CD-CE topic over the January
14 2013 – February 2014 period (not covered by previous more general CE-reviews).
15 Recent contributions (reviews and research articles) including practical uses (e.g. solute-
16 CD binding constant estimation and further potentials; 19% of publications),
17 developments and applications (mainly chiral and achiral analysis; 38 and 24 % of
18 publications, respectively) are summarized in nine comprehensive tables and are
19 commented. Statistics and predictions related to the CD-CE publications are highlighted
20 in order to infer the current and expected research interests. Finally, trends and
21 initiatives on CD-CE attending to real needs or practical criteria are outlined.

22

23 *Keywords:*

24 Electrophoresis

25 Cyclodextrins

26 Binding constants

27 Separation

28 Enantioseparation

29

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