Accepted Manuscript

Title: β-cyclodextrin and calix[4]arene-25,26,27,28-tetrol capped Carbon Dots for selective and sensitive detection of fluoride

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PII: S0144-8617(14)00993-X

DOI: http://dx.doi.org/doi:10.1016/j.carbpol.2014.09.083

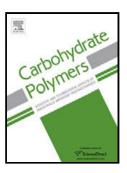
Reference: CARP 9341

To appear in:

Received date: 30-6-2014 Revised date: 1-9-2014 Accepted date: 23-9-2014

Please cite this article as: Baruah, U., Gogoi, N., Majumdar, G., and Chowdhury, D., rmbeta-cyclodextrin and calix[4]arene-25,26,27,28-tetrol capped Carbon Dots for selective and sensitive detection of fluoride, Carbohydrate Polymers (2014), http://dx.doi.org/10.1016/j.carbpol.2014.09.083

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ACCEPTED MANUSCRIPT

- β-cyclodextrin and calix[4]arene-25,26,27,28-tetrol
- capped Carbon Dots prepared from chitosan gel for
- selective and sensitive detection of fluoride
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- 11 Highlights
- Fluorescent carbon dots(CDs) were prepared from chitosan gel.
- CDs were capped with β-cyclodextrin(β-cd) and calix[4]arene-25,26,27,28-tetrol(C[4]A).
- The capped systems were used for detection of fluoride ions in aqueous media.
- The detection was found to be selective towards fluoride ions.

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