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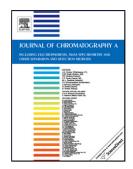
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A monolithic column based on covalent cross-linked polymer gels

for online extraction and analysis of trace aflatoxins in food sample

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Research Highlights

Preparation of covalent cross-linked polymer (CCLP) gels monolithic column

The adsorption mechanism of the CCLP gels adsorbent was explored in detail

A CCLP gels online extraction coupled with HPLC method for analysis of aflatoxins

Practical application for online analysis of trace aflatoxins in food samples

ABSTRACT

Aflatoxins are highly toxic mycotoxin contamination, which pose serious food safety incidents.

It is very important to precisely and rapidly determine trace aflatoxins in food. In this study, we

designed porous monolithic column based on covalent cross-linked polymer gels for online extraction

and analysis of trace aflatoxins in food samples with complicated matrices coupled with high-

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