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Speciation analysis of thallium in tobaccos using liquid chromatography
inductively coupled plasma mass spectrometry

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ABSTRACT

An inductively coupled plasma mass spectrometer (ICP-MS) was used as a liquid chromatographic detector for the speciation analysis of thallium in tobacco and cigarette ash samples. In this study, ionic Tl species, namely Tl(I) and Tl(III) were well separated in less than 2 min by reversed-phase high performance liquid chromatography (RP-HPLC). The stationary and mobile phases were C8 column and

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