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摘要: 进样是联系分析样品制备与样品中分析物测定的‘界面’, 本文概述石墨炉原子吸收光谱分析中进样技术近年来的进展, 内容包括溶液进样(制样、乳化液进样和微渗析进样), 固体进样(固体直接进样、悬浮液进样)、化学蒸气发生进样(冷蒸气发生进样、氢化物发生进样、挥发物发生进样)和在线流动注射进样等。引用2000–2009年文献102篇。

关键词: 聚焦微波消解, 激光烧蚀, 乳化液, 微渗析, 固体进样, 悬浮液, 冷蒸气发生, 氢化物发生, 挥发物发生, 流动注射

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### Advance of sampling technique in electrothermal atomic absorption spectrometry(I)

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Abstract: The sampling is ‘interface’ linked sample preparation with analyte determination. The recent development of sampling technique in electrothermal atomic absorption spectrometry was introduced generally in this paper. The contents include solution sampling(focused-microwave digestion, laser ablation, emulsion sampling, microdialysis), solid sampling(direct solid sampling, slurry sampling), chemical vapor generation sampling(cold vapor generation, hydride generation, volatile generation) and on-line flow injection sampling. 102 references from 2000 to 2009 were cited.

Key words: Focused-microwave digestion, Laser ablation, Emulsion sampling, Microdialysis, Solid sampling, Slurry sampling, Cold vapor generation, Hydride generation, Volatile generation, Flow injection

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