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摘要：介绍一种直接固体进样测定塑料中铅、镉的方法。采用德国耶拿分析仪器股份有限公司的ZEEni t600 型原子吸收光谱仪，测定微克和毫克级固体样品的精密度在1.9%~14.8%之间，与微波消解方法相比较，该方法简便、快速，同时避免样品的稀释以及试剂的交叉污染。

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### Determination of Pb and Cd in plastic with SS-GFAAS

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Abstract: A new method, Direct solid sampling AAS with electrothermal atomization using a transversely heated atomizer and Zeeman background correction was introduced into real sample analysis. The determination of Pb and Cd in plastic has been investigated as an example with the instrument of AAS ZEEnit 600, AnalytikJena AG. The analysis was made without digestion chemicals; the RSD was between 1.9%~14.8% (n=6), compared with liquid sampling graphite furnace AAS analysis. Direct SS AAS proved a good alternative to conventional methods of trace analysis after wet chemical digestion and compared favorably with these methods, it can save a lot of work for sample processing, has benefits to avoid dilution and external contamination.

Key words:

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