

论文

双波长分光光度法测定青黛中靛蓝和靛玉红含量的研究

张时行;万邦莉

江苏省药品检验所,南京

摘要:

本文采用双波长分光光度法不经分离直接测定中药青黛中靛蓝和靛玉红的含量,并在普通单波长分光光度计上进行双波长法测定。本法操作简便、快速,准确度和精密度较好,为青黛的质量控制提供新的分析方法。

关键词: 双波长分光光度法 青黛 靛蓝 靛玉红

DETERMINATION OF INDIGO AND INDIRUBIN IN QINGDAI (*ISATIS INDIGOTICA* FORT.) BY DUAL WAVELENGTH SPECTROPHOTOMETRY

ZHANG Shi-Hang and WAN Bang-Li

Abstract:

The present paper is concerned with the application of dual wavelength spectrophotometry to the determination of indigo and indirubin in Qingdai (*Isatis indigotica* Fort.) without preliminary separation. Satisfactory results were obtained. The average recovery of indigo was 99.62~100.7% with CV<2.80%, that of indirubin was 99.74~100.9% with CV<2.39%. Five batches of samples were determined, the results were compared with those obtained by the method of Chinese Pharmacopoeia (1977). The method described is simple, rapid and accurate.

Keywords: Qingdai(*Isatis indigotica* Fort.) Indigo Indirubin Dual wavelength spectrophotometry

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