

论文

HPLC法测定青黛中靛蓝和靛玉红的含量的研究

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摘要:

关键词: 靛蓝 靛玉红 色胺酮 高效液相层析法

DETERMINATION OF INDI GO AND INDIRUBIN IN QINGDAI BY HPLC

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Abstract:

A HPLC method has been established to analyze indigo, and indirubin in Qingdai under the following conditions. Column: LiChrosorb RP-18 10 μ m, 2.6 \times 250mm; flow rate: 1.5ml/min; detector: LC-65T (Perkin-Elmer) at 292 nm; sensitivity: 0.02 a.u. Tryptanthrin was used as the internal standard and peak height ratio or peak area ratio was used for quantitative determination. This method showed good linearity ($r=0.999$, $n=5$) in the range of 2.4~12 μ g/ml. The average recovery of indigo is 99.07~103.70% with $CV<2\%$ ($n=3$), and that of indirubin is 99.49~101.23% with $CV<2\%$ ($n=3$). This method is sensitive, rapid, simple and showed good reproducibility.

Keywords: Indirubin Tryptanthrin HPLC Indigo

收稿日期 1986-01-27 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

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