

食品安全检测

乳制品中吡喹酮残留的高效液相色谱-串联质谱测定方法研究

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摘要

关键词

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Determination of Praziquantel Residues in Milk Products by HPLC-MS/MS

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Abstract A method was developed with high performance liquid chromatography coupled with electrospray ionization tandem mass spectrometry(HPLC-MS/MS) for simultaneous detection of praziquantel residues in milk products. The praziquantel residues were extracted with acetonitrile-dichloromethane or ethylacetate, separated by C₈ column and analyzed using HPLC-MS/MS in positive mode. Extraction solvent and matrix effects of the praziquantel were discussed. The average recoveries are 81.8%-108.2% with the relative standard deviations of 2.6%-12.7%.

Key words [praziquantel](#) [_](#) [high](#) [performance](#) [liquid](#) [chromatography](#) [coupled](#) [with](#) [electrospray](#) [ionization](#) [tandem](#) [mass](#) [spectrometry\(HPLC-MS/MS\)](#) [_](#) [milk](#) [products](#)

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