

食品安全检测

气相色谱-质谱法测定奶粉中的三聚氰胺

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摘要

关键词

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Determination of Melamine in Milk Powder by GC/MS

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Abstract Melamine in milk powder was determined by gas chromatography-mass spectrometer (GC/MS) made in china. The results show that the method has a good linear range between 0.005 mg•L⁻¹ and 2 mg•L⁻¹, R² is 0.999 7. The limit of detection is 0.001 mg•L⁻¹, the quantitative detection limit is 0.02 mg•kg⁻¹. The recovery for melamine is in the range of 94%-102%. The method has good sensitivity, selectivity and repeatability, which has been applied to the determination of melamine in milk powder.

Key words [melamine](#) _ [milk powder](#) _ [GC/MS](#)

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