

饲料中氮检测

饲料中三聚氰胺的GC-MS法测定及分析

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摘要:

应用GC-MS法测定饲料中的三聚氰胺。饲料样品中的三聚氰胺经提取、净化、HPLC检测、衍生化、采用CG-MS方法测定,外标法定量。对420批饲料进行检测,用试剂盒筛选后,HPLC法检测出疑似阳性26批,用CG-MS方法定性排除17批,试验表明,HPLC法三聚氰胺检测阳性率为6.1%,GC-MS法确证后阳性率为2.1%,此次GC-MS法回收率为92%。

关键词: GC-MS 测定 三聚氰胺

Determination and Analysis of Melamine in Feed Using GC-MS Method

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Abstract:

Melamine in feed was determined by GC-MS method.Melamine in feed was extracted and purified from feed sample.After HPLC determination and derivatization,the melamine in feed was analyzed by CG-MS method and quantified by external standard method.A total of sampling of 420 pet feeds were checked.After test with screening kit,26 samples were suspected positive by HPLC detection,17 among them were qualitatively excluded by CG-MS method.The experiments showed that positive rate of HPLC was 6.1%,GC-MS confirmed ...

Keywords: GC-MS determination melamine;

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