# Article information:

Simultaneous determination of seven acrylates in food contact paper products by GC/MS and modified QuEChERS - Analytical Methods (RSC Publishing)
<https://pubs.rsc.org/en/content/articlelanding/2016/ay/c6ay00613b>

# Article summary:

1. 本文介绍了一种利用气相色谱串联质谱（GC/MS）和改良的QuEChERS净化技术同时检测食品接触纸制品中七种丙烯酸酯化合物的新方法。

2. 在最佳条件下，这种方法对七种分析物的校准曲线在5.0-1000 μg L-1范围内呈线性关系，相关系数高于0.9984。该方法的定量限（S / N = 10）在50.0-100.0 μg kg-1范围内。

3. 这种方法准确、简单、快速，并可应用于食品接触纸制品中丙烯酸酯的检测。平均回收率为82.1-106.5％，相对标准偏差（RSD，n = 6）范围为1.5％至5.6％。

# Article rating:

Appears moderately imbalanced: The article provides some useful information, but is missing several important points or pieces of evidence that would be required to present the discussed topics in a balanced and reliable way. You are encouraged to seek a more balanced perspective on the presented issues by exploring the provided research topics and looking at different information sources.

# Article analysis:

该文章提出了一种使用气相色谱串联质谱和QuEChERS净化技术检测食品接触纸制品中七种丙烯酸酯化合物的新方法。然而，该文章没有提及可能存在的偏见或潜在风险。此外，该文章没有探讨其他可能影响结果的因素，如样品来源、存储条件等。此外，该文章也没有提供足够的证据来支持其所得到的结论。因此，需要更多的研究来验证这种方法是否可靠，并确定其适用性和局限性。

# Topics for further research:

* Potential biases or risks
* Other factors affecting results
* Sample sources
* Storage conditions
* Insufficient evidence to support conclusions
* Need for further research and validation

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