



云南大学学报(自然科学版) » 2011, Vol. » Issue (5): 586-589,593 DOI:

化学

最新目录 | 下期目录 | 过刊浏览 | 高级检索

◀◀ Previous Articles | Next Articles ▶▶

### 卷烟主流烟气中氢氰酸测定不确定度评价

许永, 张霞, 刘巍, 马燕, 曹红云, 杨帅, 芮晓东, 金永灿, 缪明明

云南烟草科学研究院烟草化学重点实验室, 云南昆明650106

### Uncertainty evaluation of the determination of hydrogen cyanide in mainstream smoke

XU Yong, ZHANG Xia, LIU Wei, MA Yan, CAO Hong-yun, YANG Shuai, RUI Xiao-dong, JIN Yong-can, MIAO Ming-ming

Key Laboratory of Tobacco chemistry, Yunnan Academy of Tobacco Science, Kunming 650106, China

- 摘要
- 参考文献
- 相关文章

全文: PDF ( KB) HTML ( KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 结合实验室的实际情况,对连续流动法测定卷烟主流烟气中氢氰酸含量的测量不确定度进行评价,分析了氢氰酸含量检测的影响误差,计算了不确定度分量及合成不确定度,并得出测量结果扩展不确定度为5.47 $\mu\text{g}/\text{支}$ ,为测量结果提供了可信度和可信区间。

关键词: 连续流动分析仪 氢氰酸 不确定度 卷烟烟气

Abstract: The uncertainty for determination of hydrogen cyanide in mainstream smoke by the continuous flow method was evaluated. The influence factors on the uncertainty determination of hydrogen cyanide content were analyzed, the component and combined uncertainties were calculated, and the expanded uncertainty was 5.47  $\mu\text{g}/\text{cig}$ , providing the credibility and confidence interval for the measurement results.

Key words: continuous flow method hydrogen cyanide content uncertainty mainstream smoke

收稿日期: 2011-03-25;

基金资助: 云南省“烟草化学省创新团队”项目资助(2009CI014)

引用本文:

许永,张霞,刘巍等. 卷烟主流烟气中氢氰酸测定不确定度评价[J]. 云南大学学报(自然科学版), 2011, (5): 586-589,593.

XU Yong,ZHANG Xia,LIU Wei et al. Uncertainty evaluation of the determination of hydrogen cyanide in mainstream smoke[J]. , 2011, (5): 586-589,593.

[1] Agency for Toxic Substances and Disease registry. Toxi-cological profile for cyanide[R]. Atlanta,GA: US De-partment of Health and Human Services,Public Health Service,1997.

[2] CHARLESWORTH D,CHARLESWORTH B.Allocation of resource to male and female functions in hermaphro-dites[J].Biology Journal of the Linnean Society,1981, 15(1): 57-74.

[3] CHARLESWORTH D,CHARLESWORTH B.The effect of investment in attractive structures on allocation to male and female functions in plants [J].Evolution, 1987,41(5):948-968.




[4] BRUNET J,CHARLESWORTH D.Floral sex allocation in sequentially blooming plants[J].Evolution,1995,49 (1):70-79.

#### 服务

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ E-mail Alert
- ▶ RSS

#### 作者相关文章

- ▶ 许永
- ▶ 张霞
- ▶ 刘巍
- ▶ 马燕
- ▶ 曹红云
- ▶ 杨帅
- ▶ 芮晓东
- ▶ 金永灿
- ▶ 缪明明

- [5] KINKHAMER P G L, DEJONG T G, METZ H. Sex and size in cosexual plants[J]. Trends in Ecology and Evolution, 1997, 12(7): 260-265. 
- [6] JOHNSON W R, KANG J C. Mechanism of hydrogen cyanide formation from the pyrolysis of amino acids and related compounds[J]. J Org Chem, 1971, 36: 189-192. 
- [7] 中国实验室国家认可委员会. 化学分析中不确定度的评估指南[M]. 北京: 中国计量出版社, 2002.
- [8] 郑晓航, 李秋剑, 黄裕, 等. 气相色谱法测定肉品中六六六、滴滴涕残留量不确定度分析的简易模型[J]. 中国测试技术, 2007, 33(5): 88-90. 
- [9] 张婷, 李青诚, 廖晓玲, 等. 气相色谱法测定烟叶中硫丹残留量的测量不确定度评价[J]. 计量与测试技术, 2008, 35(2): 27-32.
- [10] 胡新华. 气相色谱法测定室内空气中TVOC的不确定度评价[J]. 福建分析测试, 2008, 17(3): 63-68.
- [11] 李中皓, 唐纲岭, 陈再根, 等. 顶空-气质联用法测定卷烟包装材料中苯不确定度评价[J]. 质谱学报, 2009, 30(6): 359-363.
- [12] 林海滨, 朱永平, 陈星峰, 等. 连续流动法测定烟草中总氮含量的不确定度评定[J]. 福建分析测试, 2009, 18(4): 53-57.
- [13] 庞永强, 陈再根, 陈欢, 等. 卷烟侧流烟气中一氧化碳测量不确定度的评定[J]. 现代测量与实验室管理, 2010(1): 30-31.

没有找到本文相关文章

版权所有 © 《云南大学学报(自然科学版)》编辑部

编辑出版: 云南大学学报编辑部 (昆明市翠湖北路2号, 650091)

电话: 0871-5033829(传真) 5031498 5031662 E-mail: yndxxb@ynu.edu.cn yndxxb@163.com