

建筑干混砂浆用纤维素醚基团含量测定气相色谱仪

Cellulose ether group content determination of dry mixed mortar in building

Cellulose ethers, especially HPMC and HEMC, play an important role in the dry mixed mortar. In addition to the most basic properties of cellulose ether to ensure excellent and essential water retaining properties, it is recommended to use modified cellulose ether to optimize workability and improve the performance of hardened mortar.

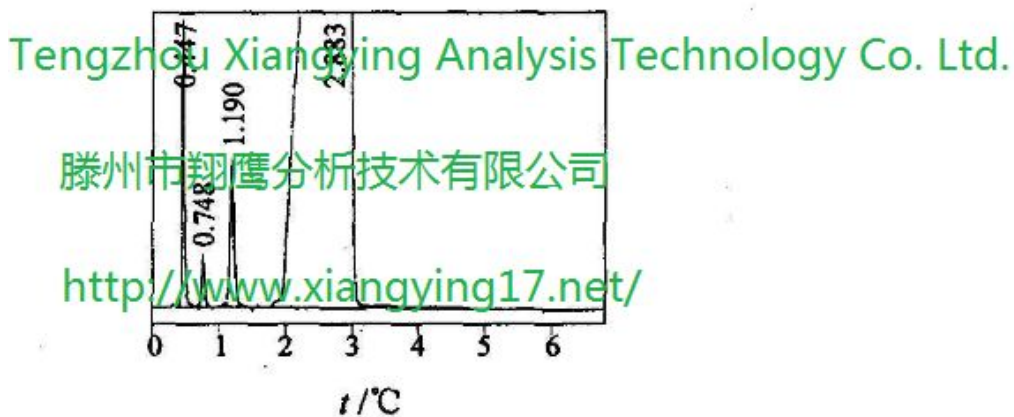
This method can be used in cement as the main cementing material and construction stem mixed mortar with cellulose ether, including methyl cellulose, hydroxyethyl cellulose, hydroxypropyl methyl cellulose and hydroxyethyl methyl cellulose ether. Other cellulose ether, wet mixed mortar and other dry mixed mortar used for building dry mixed mortar can be used as a reference to the method of the present method.

Tengzhou City Xiangying Analysis Technology Co., Ltd. was determined using a XiangyingGC7990plus gas chromatograph, cement based dry mixed mortar in cellulose ether group content, with satisfactory results.

纤维素醚特别是 HPMC 和 HEMC 在干拌砂浆产品中起着重要的作用。纤维素醚除了要保证优异的和必不可少的保水性这一最基本的特性之外,建议使用改性的纤维素醚来优化工作性和改善硬化砂浆的性能。

本方法适用于以水泥为主要胶凝材料的建筑干混砂浆中所用的纤维素醚,包括甲基纤维素醚、羟乙基纤维素醚、羟丙基甲基纤维素醚和羟乙基甲基纤维素醚。建筑干混砂浆用其他纤维素醚、湿拌砂浆及其他干混砂浆用纤维素醚可以参照本方法。

滕州市翔鹰分析技术有限公司采用 XiangyingGC7990plus 气相色谱仪测定,水泥基干拌砂浆产品中纤维素醚基团含量,结果满意。



HPMC 样品溶液的气相色谱图

XiangyingGC7990plus features:

- 1 excellent performance, competitive price, to meet the customers' choice
- 2 multi industry adaptability
- 3 outstanding performance in all kinds of harsh environment

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A variety of sampling ports can be equipped with: packed column inlet, shunt / non shunt capillary inlet,

Hydrogen flame ionization detector (FID)

Maximum use temperature: 400

The minimum detection limit: $10^{-12} = 2.5 \times 10^{-12}$ g/s (n-C16)

Linear range: 10⁷ (+ 10%)

XiangyingGC7990plus 特点:

1. 卓越的性能, 具有竞争力的价格, 满足广大客户的选择
2. 多行业适应性
3. 在各种苛刻环境下均表现出色

进样口

多种进样口可配: 填充柱进样口、分流/不分流毛细管进样口、

氢火焰离子化检测器 (FID)

最高使用温度: 400°C

最小检出限: $\leq 2.5 \times 10^{-12}$ g/s (n-C16)

线性范围: 10⁷ (±10%)