



**International  
Standard**

**ISO 687**

**Coke — Determination of moisture  
in the general analysis test sample**

*Coke — Détermination de l'humidité de l'échantillon pour  
analyse*

**Fourth edition  
2024-03**

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## Foreword

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This document was prepared by Technical Committee ISO/TC 27, *Coal and coke*, Subcommittee SC 5, *Methods of analysis*.

This fourth edition cancels and replaces the third edition (ISO 687:2010), which has been technically revised.

The main change is as follows:

- adding the optional use of nitrogen and a minimum free space oven.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

The determination of moisture in the general analysis test sample is required to correct the results of certain analytical determinations, e.g. volatile matter and hydrogen, for the effect of water in the determination and to allow all determinations to be corrected to a dry basis.

Since coke is hygroscopic, its moisture will vary with a change in humidity of the atmosphere, and the moisture in the general analysis test sample should therefore be determined whenever test portions are taken for other analytical determinations. If test portions for several analytical determinations are taken at the same time, a single simultaneous moisture determination will suffice to correct those analyses.

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