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Standard layout for a method of chemical analysis by gas chromatography*Plan normalisé de méthode d'analyse chimique par chromatographie en phase gazeuse***First edition — 1974-04-01**

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2718 was drawn up by Technical Committee ISO/TC 47, *Chemistry*, and circulated to the Member Bodies in April 1972.

It has been approved by the Member Bodies of the following countries :

Austria	India	South Africa, Rep. of
Belgium	Ireland	Spain
Chile	Israel	Sweden
Czechoslovakia	Italy	Switzerland
Denmark	Netherlands	Thailand
Egypt, Arab Rep. of	New Zealand	Turkey
France	Portugal	United Kingdom
Germany	Romania	U.S.S.R.

This International Standard has also been approved by the International Union of Pure and Applied Chemistry (IUPAC).

No Member Body expressed disapproval of the document.

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Standard layout for a method of chemical analysis by gas chromatography

0 INTRODUCTION

Gas chromatography is a separatory and analytical technique which is being utilized increasingly, particularly for check analyses within the same laboratory, for check analyses for acceptance between laboratories, for analyses of unknown samples, and for analytical research.

Because of the diversity of apparatus and working methods, it seems desirable to establish a standard layout for the basic characteristics and instructions of a technical nature which should be specified for either of the following purposes :

- to present a report of an experimental investigation or of a check analysis in a scientific publication or in a document of a commercial nature. The authors of such publications should give all the necessary instructions to enable the document to be understood and the procedure to be followed with the aid of identical or closely related equipment.

- to draw up procedures capable of application in laboratories equipped with different apparatus. Only those details that are sufficient to allow the method to be put into practice and reproducible results to be obtained, within determined limits of precision, should be given.

The list of characteristics enumerated in this standard layout should not be regarded as exhaustive, nor is there any intention to imply that all these characteristics should be given and explained in publications and procedures. The authors or editors of such documents should select from this list the characteristics necessary to achieve one or other of the two objectives mentioned above.

In particular, from the point of view of standardization, the details given in a particular standard should be decided at the conclusion of an experimental investigation carried out in several laboratories and after a comparative analysis of the results.