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STANDARD

ISO
157

Second edition
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Coal — Determination of forms of sulfur

Charbon — Détermination de la teneur en différentes formes de soufre



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Foreword

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International Standard ISO 157 was prepared by Technical Committee ISO/TC 27, *Solid mineral fuels*, Subcommittee SC 5, *Methods of analysis*.

This second edition cancels and replaces the first edition (ISO 157:1975), of which it constitutes a technical revision.

Annex A of this International Standard is for information only.

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Introduction

For many purposes, a knowledge of the total sulfur content of a coal is sufficient, but for certain work it is also necessary to know how the sulfur is distributed between the coal substance and the mineral matter. In particular, such information may be required in connection with coal classification and cleaning.

Sulfur is usually present in coal in three forms, viz:

- a) sulfate sulfur, i.e. the sulfur present in the form of inorganic sulfates;
- b) pyritic sulfur, i.e. the sulfur present in the form of pyrites and marcasite;
- c) organic sulfur, i.e. the sulfur present in the form of organic sulfur compounds.