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**SANS 333:1996**

Edition 1, ISO corr. 1 and nat. amdt.1

**ISO 333:1996**

Edition 4 and corr. 1

Any reference to SABS ISO 333 is deemed  
to be a reference to this standard  
(Government Notice No. 1373 of 8 November 2002)

## **SOUTH AFRICAN NATIONAL STANDARD**

### **Coal — Determination of nitrogen — Semi-micro Kjeldahl method**

This national standard is the identical implementation of ISO 333:1996 and ISO corrigendum 1, and is adopted with the permission of the International Organization for Standardization.

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**SANS 333:1996**

Edition 1, ISO corr.1 and nat. amdt.1

**ISO 333:1996**

Edition 4 and corr.1

| <b>Table of changes</b> |             |  |
|-------------------------|-------------|--|
| <b>Change No.</b>       | <b>Date</b> | <b>Scope</b>   |
| ISO corr.1              | 1996        | Changed to delete the use of ethanol as a solvent in 4.7.1, and to correct a typographical error in 7.1. |
| Nat. amdt 1             | 2006        | Amended to change the designation from SABS to SANS, with no technical changes.                          |

**National foreword**

This South African standard was prepared by National Committee SABS/TC 027/SC 05, *Solid mineral fuels – Coal – Methods of analysis*, in accordance with procedures of the SABS, in compliance with annex 3 of the WTO/TBT agreement.

This SANS edition is technically identical to SABS ISO 333:1996.

**Compliance with this document cannot confer immunity from legal obligations.**

**Reaffirmed and reprinted in June 2017.  
This standard will be reviewed every five years  
and be reaffirmed, amended, revised or withdrawn.**



**INTERNATIONAL STANDARD ISO 333:1996**  
TECHNICAL CORRIGENDUM 1

Published 1996-09-01

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

# Coal — Determination of nitrogen — Semi-micro Kjeldahl method

TECHNICAL CORRIGENDUM 1

*Charbon — Dosage de l'azote — Méthode semi-micrométrique de Kjeldahl*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to International Standard ISO 333:1996 was prepared by Technical Committee ISO/TC 27, *Solid mineral fuels*, Subcommittee SC 5, *Methods of analysis*.

Page 2

## 4.7.1

Replace the existing text by the following:

Dissolve 0,125 g of 2-(4-dimethylaminophenylazo) benzoic acid, sodium salt (methyl red) in 100 ml of water.

## 7.1

In line 10 of the second paragraph, change “become” to “becomes”.

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ICS 73.040

Ref. No. ISO 333:1996/Cor.1:1996(E)

**Descriptors:** solid fuels, fossil fuels, coal, lignite, chemical analysis, determination of content, nitrogen, Kjeldahl method.

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