

Australian Standard™

Coal and coke—Analysis and testing

Part 4: Coke—Proximate analysis

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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 1038.4—2006

Coal and coke—Analysis and testing
Part 4: Coke—Proximate analysis

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Part 4: Coke—Proximate analysis

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PREFACE

This Standard was prepared by the Standards Australia Committee MN-001, Coal and Coke, as a revision of AS 1038.4—1995, *Coal and coke—Analysis and testing, Part 4: Coke—Proximate analysis*.

This revision has been editorially updated to bring this Standard into current style.

The objective of this Standard is to provide those responsible for the testing of coke with a standardized method for proximate analysis.

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STANDARDS AUSTRALIA

Australian Standard
Coal and coke—Analysis and testing**Part 4: Coke—Proximate analysis**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out methods for the determination of moisture, ash and volatile matter on the analysis sample of coke to obtain its proximate analysis. Residue is calculated by difference.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1038 Coal and coke—Analysis and testing

1038.16 Part 16: Assessment and reporting of results

2418 Coal and coke—Glossary of terms

4264 Coal and coke—Sampling

4264.2 Part 2: Sampling procedures

2706 Numerical values—Rounding and interpretation of limiting values

AS/NZS

2243 Safety in laboratories (series)

1.3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 2418 apply.

1.4 SAFETY

For information on laboratory safety, reference should be made to the relevant parts of AS/NZS 2243.

1.5 SAMPLES**1.5.1 General**

The sample shall be the analysis sample prepared to a nominal top size of 212 μm . Sample preparation procedures are described in AS 4264.2.

1.5.2 Equilibration

The moisture content of the sample shall be equilibrated with the laboratory atmosphere by exposure in a thin layer on a tray. Exposure time shall be kept to a minimum. The sample shall be thoroughly mixed immediately before analysis.