

Australian Standard™

Coal and coke—Analysis and testing

Part 16: Assessment and reporting of results

This Australian Standard was prepared by Committee MN-001, Coal and Coke. It was approved on behalf of the Council of Standards Australia on 29 April 2005. This Standard was published on 14 June 2005.

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Australian Building Codes Board
Australian Coal Association
Australian Coal Preparation Society
Australian Institute of Energy
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Part 16: Assessment and reporting of results

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PREFACE

This Standard was prepared by the Standards Australia Subcommittee on Coal Evaluation, under the supervision of the Committee MN-001, Coal and Coke, as a revision of AS 1038.16—1996, *Coal and coke—Analysis and testing, Part 16: Assessment and reporting of results*.

This Standard will be continuously revised because of ongoing development and updating of all other Standards in the AS 1038 series and associated Standards. For this reason, information presented in each edition of AS 1038.16 may at any given time be ahead of or behind the actual state of development or updating of other Standards. It is therefore recommended that this Standard be used only in conjunction with other appropriate Standards.

This edition contains information regarding quality control (QC) sample testing and measurement uncertainty.

The objective of this Standard is to provide those involved with the testing of coal and coke with a means for assessing their test results to ensure that the values reported are consistent with the requirements of the industry.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is for information and guidance only.

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STANDARDS AUSTRALIA

Australian Standard

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Part 16: Assessment and reporting of results

1 SCOPE

This Standard provides procedures and information for the assessment and reporting of results obtained by the use of methods detailed in the AS 1038 series and associated Standards. Technical aspects relevant to the derivation of formulas required for calculation and to the acceptance of analytical results are also provided.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1038	Coal and coke—Analysis and testing
1038.1	Part 1: Higher rank coal—Total moisture
1038.2	Part 2: Coke—Total moisture
1038.3	Part 3: Proximate analysis of higher rank coal
1038.4	Part 4: Coke—Proximate analysis
1038.5	Part 5: Gross calorific value
1038.6.1	Part 6.1: Higher rank coal and coke—Ultimate analysis—Carbon and hydrogen
1038.6.2	Part 6.2: Higher rank coal and coke—Ultimate analysis—Nitrogen
1038.6.3.1	Part 6.3.1: Higher rank coal and coke—Ultimate analysis—Total sulfur—Eschka method
1038.6.3.2	Part 6.3.2: Higher rank coal and coke—Ultimate analysis of higher rank coal—Total sulfur—High-temperature combustion method
1038.6.3.3	Part 6.3.3: Higher rank coal and coke—Ultimate analysis—Total sulfur—Infrared method
1038.8.1	Part 8.1: Coal and coke—Chlorine—Eschka method
1038.8.2	Part 8.2: Coal and coke—Chlorine—High-temperature combustion method
1038.9.1	Part 9.1: Higher rank coal and coke—Phosphorus—Ash digestion/molybdenum blue method
1038.9.2	Part 9.2: Higher rank coal and coke—Phosphorus—Coal extraction/phosphomolybdovanadate method
1038.9.3	Part 9.3: Higher rank coal and coke—Phosphorus—Ash digestion/phosphomolybdovanadate method
1038.10.1	Part 10.1: Determination of trace elements—Coal, coke and fly-ash—Determination of eleven trace elements—Flame atomic absorption spectrometric method
1038.10.2	Part 10.2: Determination of trace elements—Coal and coke—Determination of arsenic, antimony and selenium—Hydride generation method
1038.10.3	Part 10.3: Determination of trace elements—Coal and coke—Determination of boron content—ICP-AES method
1038.10.4	Part 10.4: Determination of trace elements—Coal, coke and fly-ash—Determination of fluorine content—Pyrohydrolysis method