

Manual 61

Guide to ASTM Test Methods for the Analysis of Coal and Coke

TABLE of CONTENTS

D 167	Apparent and True Specific Gravity and Porosity of Lump Coke
D 197	Sampling and Fineness Test for Pulverized Coal
D 291	Cubic Feet Weight of Crushed Bituminous Coal
D 293	Sieve Analysis of Coke
D 409	Grindability of Coal by Hardgrove Machine
D 440	Drop Shatter Test for Coal
D 441	Tumbler Test for Coal
D 720	Free Swelling Index of Coal
D 1412	Equilibrium Moisture of Coal
D 1756	Carbonate Carbon in Coal
D 1757	Sulfate Sulfur in Ash from Coal and Coke Ash
D 1857	Fusibility of Coal and Coke Ash
D 2361	Chlorine in Coal
D 2492	Forms of Sulfur in Coal
D 2639	Plastic Properties of Coal
D 2799	Microscopical Determination of Maceral Composition of Coal
D 2961	Total Moisture in Coal
D 3038	Drop Shatter Test for Coke
D 3172	Proximate Analysis of Coal and Coke
D 3173	Moisture in Coal and Coke
D 3174	Ash from Coal and Coke from Coal
D 3175	Volatile Matter in Coal and Coke
D 3176	Ultimate Analysis of Coal and Coke
D 3177	Total Sulfur in Coal and Coke
D 3178	Carbon and Hydrogen in Coal and Coke
D 3179	Nitrogen in Coal and Coke
D 3302	Total Moisture in Coal
D 3402	Tumbler Test for Coke
D 3682	Major and Minor Elements in Combustion Residues from Coal Utilization Processes
D 3683	Trace Elements in Coal and Coke Ash by AAS
D 3684	Total Mercury in Coal by Oxygen Combustion and Atomic Absorption Method
D 3761	Total Fluorine in Coal by Oxygen Combustion and Ion Selective Electrode Method
D 4208	Total Chlorine in Coal by Oxygen Combustion and Ion Selective Electrode Method

- D 4239 Sulfur in Coal and Coke using High Temperature Tube Furnace Combustion
- D 4326 Major and Minor Elements in Coal and Coke Ash by X-Ray Fluorescence
- D 4371 Washability Characteristics of Coal
- D 4606 Arsenic and Selenium in Coal by Hydride Generation /Atomic Absorption Method
- D 4749 Sieve Analysis of Coal
- D 5016 Sulfur in Ash from Coal, Coke and Residues from Coal Combustion
- D 5061 Microscopical Determination of Textural Components of Metallurgical Coke
- D 5114 Froth Floatation of Coal in a Mechanical Cell
- D 5142 Proximate Analysis of Coal and Coke by Instrumental Procedures
- D 5341 CRI and CSR of Coke
- D 5373 Instrumental Determination of Carbon-Hydrogen-Nitrogen in Coal and Coke
- D 5515 Swelling Properties of Bituminous Coal Using a Dilatometer
- D 5865 Gross Calorific Value of Coal and Coke
- D 5987 Total Fluorine in Coal and Coke
- D 6172 Volume of Bulk Material Using Contour and Cross-Section Procedure
- D 6316 Total Combustible and Carbonate Carbon in Solid Residues from Coal and Coke
- D 6347 Bulk Density of Coal
- D 6349 Major and Minor Elements in Coal, Coke and Solid Residues from Combustion of Coal and Coke by ICPAES
- D 6357 Trace Elements in Coal, Coke, and Combustion Residues from Coal Utilization Processes by ICP-AES, ICP-MS and GF-AAS
- D 6414 Total Mercury in Coal and Coke Combustion Residues by Acid Extraction or Wet Oxidation and CV-AAS
- D 6721 Chlorine in Coal by Oxidative Hydrolysis Microcoulometry
- D 6722 Total Mercury in Coal and Coal Combustion Residues by Direct Combustion Analysis
- D 7348 Loss on Ignition of Solid Combustion Residues