

1. Record Nr.	UNINA9910830781503321
Titolo	AIChE equipment testing procedure [[electronic resource]] : continuous direct-heat rotary dryers : a guide to performance evaluation // prepared by the Equipment Testing Procedures Committee
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2006
ISBN	1-282-77376-3 9786612773761 0-470-92477-2 0-470-92476-4
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (54 p.)
Disciplina	660.28426 660/.28426
Soggetti	Spray drying - Equipment and supplies - Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 42-43) and index.
Nota di contenuto	Continuous Direct-Heat Rotary Dryers: A Guide to Performance Evaluation; Table of Contents; 100.0 Purpose and Scope; 101.0 Purpose; 102.0 Scope; 200.0 Definitions and Description of Terms; 201.0 Dryer Description; 202.0 Description of Terms; 300.0 Test Planning; 301.0 Conditions; 302.0 Dryer Material and Heat Balances; 303.0 Test Preparation; 400.0 Instruments and Methods of Measurement; 401.0 Gas Temperature and Humidity; 402.0 Gas Flow; 403.0 Material Temperature and Moisture Content; 404.0 Material Flow and Cylinder Fillage; 405.0 Radiation and Convection Heat Losses 406.0 Miscellaneous Measurements500.0 Test Procedure; 501.0 Procedures; 600.0 Computation of Results; 601.0 Material Balances; 602.0 Gas Flow and Heater Output; 603.0 Heat Balance and Gas Flow; 604.0 Cylinder Fillage and Time-of-Passage; 605.0 Dryer Power Consumption; 700.0 Interpretation of Results; 701.0 Material, Moisture and Energy Balances; 702.0 Volumetric Heat Transfer Performance; 800.0 Appendix; 801.0 Nomenclature; 802.0 Sample Problem-SI Units; 803.0 Sample Problem-English Units; 804.0 General References
Sommario/riassunto	The newest edition of the AIChE® manual to continuous direct-heat

rotary dryersContinuous Direct-Heat Rotary Dryers, Third Edition is the latest text in the AIChE® Equipment Testing Procedure series. This new edition continues to provide chemical engineers, plant managers, and other professionals in the chemical process industries with helpful advice about performance evaluation. This text is an indispensable procedural guide with universal applications. With test results computed in both conventional and SI units, this handy resource provides standardized methods, real-w
