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Nota di contenuto	SPRAY DRYERS: A Guide to Performance Evaluation; Table of Contents; 100 Purpose and Scope; 101 Purpose; 101.1 Purpose; 101.2 Summary; 101.3 Scope of Spray Drying; 101.4 Reasons for Testing Spray Dryers; 102 Design vs. Operational Variables; 103 Liability; 200 Definitions and Descriptions of Terms; 201 Dryer Design; 201.1 Dryer Chamber; 201.2 Airflow Patterns; 201.3 Product Flow; 201.4 Atomizer; 201.5 Heating Methods; 201.6 Product Recovery; 201.7 Airflow Motive Force; 202 Description of Terms; 202.1 Drying; 300 Test Planning; 301 Preliminary Objectives; 301.1 Test Objectives 301.2 Organizational Resources301.3 Schedule; 301.4 Dryer Controls and Instrumentation; 301.5 Peripheral Equipment; 301.6 Pretest Calculations; 301.7 Test Plan; 301.8 Environmental; 301.9 Cleaning and Inspection; 301.10 ""Dry Run""; 302 Types of Test; 302.1 Dryer System Capacity; 302.2 Heat and Material Balance; 302.3 Product Properties; 302.4 Acceptance Test; 303 Variables Affecting Product Properties; 303.1 Residual Moisture Content; 303.2 Atomization; 303.3 Heat Sensitivity; 303.4 Physical Properties; 303.5 Prediction of Capacity

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304.2 Atomizer Data; 304.3 Complete Heat and Material Balances;
304.4 Peripheral Equipment Limitations; 304.5 Product Quality
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602.4 Humid Air Volume

Sommario/riassunto

Spray Dryers: A Guide to Performance Evaluation, Second Edition
discusses the reasons for spray drying. These reasons are usually to
produce a product with certain desired properties or with better
efficiency than other methods. The book discusses how to plan in light
of these objectives and gives guidance on the variables affecting
product properties and dryer performance, to decide which variables to
evaluate. Technical spray dryer installations are briefly described.
Checklists are given to aid in planning measurements and listing steps
needed for a test.
