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**Particle Size Analysis In Pharmaceuticals And Other Industries: Theory And Practice** 1992-06-30 recent major advances in particle size analysis particularly with regard to its application in the pharmaceutical and related industries provides justification for this title it is a book for technicians and senior technicians project and development managers and formulation more development scientists in a wide range of industries pharmace

Particle size measurement 2013-11-21 although man s environment from the interstellar dust to the earth beneath his feet is composed to a large extent of finely divided material his knowledge of the properties of such materials is surprisingly slight for many years the scientist has accepted that matter may exist as solids liquids or gases although the dividing line between the states may often be rather blurred this classification has been upset by powders which at rest are solids when aerated may behave as liquids and when suspended in gases take on some of the properties of gases it is now widely recognized that powder technology is a field of study in its own right the industrial applications of this new science are far reaching the size of fine particles affects the properties of a powder in many important ways for example it determines the setting time of cement the hiding power of pigments and the activity of chemical catalysts the taste of food the potency of drugs and the sintering shrink age of metallurgical powders are also strongly affected by the size of the particles of which the powder is made up particle size measurement is to powder technology as thermometry is to the study of heat and is in the same state of flux as thermometry was in its early days only in the case of a sphere can the size of a particle be completely described by one number

**Particle Size Analysis** 2007-10-31 particle size analysis reviews the development of particle characterization over the past 25 years and also speculates on its future interest in the subject has increased enormously over the years and this book highlights the changes and advances made within the field this book is comprehensive in its coverage of particle size analysis and includes contributions on such characterization techniques as microscopy using fractal analysis light diffraction light scattering with the phase doppler technique light observation and photon correlation spectroscopy a number of chapters address the interest in on line in stream particle size analysis and illustrate the progress being made in achieving this long sought after ideal of in situ in process particle characterization applications to other technological fields are detailed by chapters covering biological systems and the pharmaceutical industry the subject of surface area determination is considered with particular emphasis on the measurements on porosity of powders the characterization and comparability of reference materials and the need for standards particle size analysis should provide stimulating reading for technologists scientists and engineers involved in particle characterization and powder technology worldwide

*Particle Size Analysis* 1994-09-30 teacher professor ernst joachim ivers to whom i still owe many insights 20 years after the end of his working life this english edition is not an unedited translation of the german edition of 1990 the text has been substantially revised in some chapters taking into account the literature published in the mean time i wish to thank dr ing h finken freiberg who has prepared the translation from german into english with deep scientific understanding and in close contact with the author i also wish to express my gratitude to chapman hall for their support to this project without which the english edition could not have been published dr ing habil c bernhardt freiberg 1 position tasks and structure of particle size analysis today the concept of particle size analysis is that of a special field of particle measurement technology which in turn is part of particulate technology this classification has developed over the last 20 years it is the result of a scientific integration process taking place in many industrialized countries of the world in recent years the meaning and mutual connection of the related concepts as well as the tasks of the scientific disciplines designated by them have been the subject of intensive discussion which however has not led to a generally accepted terminology

**Particle Size Analysis in Industrial Hygiene** 2012-12-02 particle size analysis in industrial hygiene discusses technical information on particle properties kinetic behavior sampling instruments and interpretation this book is composed of seven chapters and is prepared by the american industrial hygiene association for the division of technical information united states atomic energy commission this monograph is a part of the continuing effort of both organizations to extend the field of technical knowledge and safeguard the health and well being of persons exposed to toxic or deleterious material after briefly discussing the fundamental physics and chemistry of aerosol systems the book goes on describing the analytical methods and instruments for particle size analysis such methods include direct and indirect sampling methods as well as automatic counting and sizing instruments specific methods considered include sieve analysis optical and electron microscopy and scanning electron microscopy a chapter on particle size interpretation and representation with the use of applied mathematical statistics concepts is also provided this book also covers a general discussion on typical applications of particle size analysis to industrial hygiene radiation protection air pollution control industrial toxicology and related areas this book is an invaluable source for industrial hygienists and to those working in the many disciplines dealing with particle behavior

*Particle Size Analysis* 1970 a book exploring particle size analysis of sedimentary deposits

Particle Size Characterization 2001 powder technology is a rapidly expanding technology and nowhere more than in particle characterization there has been an explosion of new particle measuring techniques in the past ten year particularly in the field of on line measurement one of the main aims of this book is to bring the reader up to date with current practices one important area of interest is the improvements in on line light scattering instruments and the introduction of ultrasonic on line devices another is the introduction of on line microscopy which permits shape analysis in conjunction with particle sizing schools of powder technology are common in europe and japan but the importance of this subject has only recently been recognised in america with the emergence of the particle research centre perc at the university of florida in gainsville details all the latest developments in powder technology written by established authority on powder technology a comprehensive text covering all aspects of powder technology and handling of particulate solids including characterization handling and applications

*Principles, Methods and Application of Particle Size Analysis* 2007-11-03 recent major advances in particle size analysis particularly with regard to its application in the pharmaceutical and related industries provides justification for this title it is a book for technicians and senior technicians project and development managers and formulation more development scientists in a wide range of industries pharmace

*Powder Sampling and Particle Size Determination* 2003-12-09 particle size distribution data representation particle size measurement screening sizing diameter measurement diameter mathematical calculations equations experimental data sieving size statistical distribution particulate materials histograms

*Rapid Particle Size Analysis by Hydrosizing and Nuclear Sensing* 1974 teacher professor ernst joachim ivers to whom i still owe many insights 20 years after the end of his working life this english edition is not an unedited translation of the german edition of 1990 the text has been substantially revised in some chapters taking into account the literature published in the mean time i wish to thank dr ing h finken freiberg who has prepared the translation from german into english with deep scientific understanding and in close contact with the author i also wish to express my gratitude to chapman hall for their support to this project without which the english edition could not have been published dr ing habil c bernhardt freiberg 1 position tasks and structure of particle size analysis today the concept of particle size analysis is that of a special field of particle measurement technology which in turn is part of particulate technology this classification has developed over the last 20 years it is the result of a scientific integration process taking place in many industrialized countries of the world in recent years the meaning and mutual connection of the related concepts as well as the tasks of the scientific disciplines designated by them have been the subject of intensive discussion which however has not led to a generally accepted terminology

*Some Fundamentals of Particle Size Analysis* 1958 specialists in the field discuss the latest developments in particle size analysis presenting an overview of state of the art methodologies and data interpretation topics include commercial instrumentation photon correlation spectroscopy fraunhofer diffraction field flow fractionation and detection systems for particle chromatography

*Particle Size Analysis by Transmission Fluctuation Spectrometry Fundamentals and Case Studies* 2003-12-18 the size of sand on atlantic coast beaches of southern new jersey was studied by analyzing 788 sand samples in north to south order the samples were collected by island beach long beach island brigantine atlantic city and ludlam island sand size generally decreased from north to south with size at the two northermost sites noticeably coarser on the average than the size at the three southern sites results from long beach island atlantic city and ludlam island where most of the data were collected indicate that size averaged by beach decreases from 0 33 millimeter at long beach island in the north through 0 27 millimeter at atlantic city to 0 23 millimeter at ludlam island in the south size averaged by profile line varies from 0 34 millimeter at a profile on the northern half of long beach island 0 20 millimeter at a profile in the middle of ludlam island size also varies with position across the profile from low tide terrace to landward edge of berm tending to decrease landward across the average of three profiles on atlantic city and three profiles on ludlam island but tending to increase landward across the average of four profile lines on long beach island maximum variation at one beach averaged by position on profile occurs at long beach island where the average size increased from 0 28 millimeter on the low tide terrace to 0 36 millimeter on the berm size variation by month suggests a tendency for sand to be finer during late summer and early fall but data do not permit identification of a consistent annual cycle

**Particle Size Analysis** 1974 teacher professor ernst joachim ivers to whom i still owe many insights 20 years after the end of his working life this english edition is not an unedited translation of the german edition of 1990 the text has been substantially revised in some chapters taking into account the literature published in the mean time i wish to thank dr ing h finken freiberg who has prepared the translation from german into english with deep scientific understanding and in close contact with the author i also wish to express my gratitude to chapman hall for their support to this project without which the english edition could not have been published dr ing habil c bernhardt freiberg 1 position tasks and structure of particle size analysis today the concept of particle size analysis is that of a special field of particle measurement technology which in turn is part of particulate technology this classification has developed over the last 20 years it is the result of a scientific integration process taking place in many industrialized countries of the world in recent years the meaning and mutual connection of the related concepts as well as the tasks of the scientific disciplines designated by them have been the subject of intensive discussion which however has not led to a generally accepted terminology

*Principles, Methods, and Application of Particle Size Analysis* 1991 this book describes the manufacturing background behind shoe sizes and fitting and the factors influencing it

**Particle Size Analysis In Pharmaceuticals And Other Industries: Theory And Practice** 1992-06-30 particle size distribution data representation particle size measurement screening sizing graphic representation graphical methods

*Representation of Results of Particle Size Analysis. Calculation of Average Particle Sizes/Diameters and Moments from Particle Size Distributions* 2001-07-15 particle size measurement particle size distribution size classification particulate materials photographic images optical instruments optical measurement statistical methods of analysis specimen preparation microscopic analysis

**Particle Size Analysis** 2012-10-08 particle size distribution data representation particle size measurement screening sizing classification systems sieving distribution curves

**Modern Methods of Particle Size Analysis** 1984-09-11 a full scale discussion and comparison of techniques for determining particle size

*Size Analysis of Sand Samples from Southern New Jersey Beaches* 1977 particle size measurement particle size distribution size classification particulate materials electron microscopes microscopic analysis photographic images optical instruments optical measurement statistical methods of analysis specimen preparation

*Particle Size Analysis* 2012-12-06 particle size distribution data representation particle size measurement screening sizing mathematical calculations logarithms statistical distribution

*Shoe Sizing and Fitting* 1941

*Particle Size Analysis* 1960

*Particle Size Analysis in Estimating the Significance of Airborne Contamination* 1978

**Particle Size Analysis in Industrial Hygiene** 1971

*APSAS, an Automated Particle Size Analysis System* 1984

**Analytical Chemistry in Nuclear Reactor Technology: Particle-size analysis** 1959

**Particle Size Analysis** 2014

**ISO 9276:1998** 1998

**Representation of Results of Particle Size Analysis. Graphical Representation** 1998-10-15

*Particle Size Analysis by Laser Diffraction Spectrometry* 2004

*Particle Size Analysis. Image Analysis Methods. Dynamic Image Analysis Methods* 2006-11-30

*Particle Size and X-ray Analysis of Feldspar, Calvert, Ball, and Jordan Soils* 1977

*Representation of Results of Particle Size Analysis. Characterization of a Classification Process* 2002-01-15

*Particle Size Analysis: Proceedings of a Conference Organised by the Society for Analytical Chemistry and Held at Loughborough University of Technology 14-16 September 1966* 1967

**Particle Size Analysis** 1978

**Particle Size Determination** 1955

**Particle Size Analysis. Image Analysis Methods. Static Image Analysis Methods** 2006-01-30

*Representation of Results of Particle Size Analysis. Methods of Calculation Relating to Particle Size Analyses Using Logarithmic Normal Probability Distribution* 2005-09-29

*Particle Size Analysis in the Sub-sieve Range with an AWRE Centrifugal Photosedimentometer* 1964

*Manual on Test Sieving Methods* 1972

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