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Titolo	Lezioni di storia d'Italia : 1848-1948, F. Andreucci, T. Detti / R. Martinelli ... [et al.]
Pubbl/distr/stampa	Roma : Editori Riuniti, 1979
Descrizione fisica	286 p. ; 19 cm
Collana	Materiali di orientamento e di studio ; 10
Disciplina	945.09
Locazione	FLFBC
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Lingua di pubblicazione	Italiano
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Livello bibliografico	Monografia
2. Record Nr.	UNINA9911020263903321
Autore	Ramstorp Matts
Titolo	Introduction to contamination control and cleanroom technology // Matts Ramstorp
Pubbl/distr/stampa	Weinheim ; ; New York, : Wiley-VCH, c2000
ISBN	9786611764074 9781281764072 1281764078 9783527613120 3527613129 9783527613137 3527613137
Descrizione fisica	1 online resource (182 p.)
Disciplina	620.8/6
Soggetti	Clean rooms Contamination (Technology)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [155]-159) and index.
Nota di contenuto	<p>Introduction to Contamination Control and Cleanroom Technology; Contents; 1 Contamination control - an introduction; 1.1 Introduction; 1.2 Contamination control; 1.3 History; 1.4 Standardization; 1.4.1 Good Manufacturing Practice (GMP); 1.5 High levels of knowledge are of vital importance; 1.5.1 Fifty years of contamination control; 1.5.2 The source, dispersion and deposition of contaminants; 1.5.3 Air cleanliness; 1.6 Conclusions; 2 Contaminants; 2.1 Introduction; 2.2 Cleanliness; 2.3 Contaminants; 2.3.1 Particulate contamination; 2.3.2 The particle content of air</p> <p>2.3.3 Chemical contaminant2.3.4 Physical risk factors; 2.3.5 Sources of contamination; 2.3.6 The dispersion and spread of contaminants; 2.3.7 How can contaminants be transferred from their sources?; 2.4 Cleanliness requirements; 2.5 Microorganisms; 2.5.1 Bacteria; 2.5.2 Algae; 2.5.3 Fungi; 2.5.4 Protozoa; 2.5.5 Viruses; 2.5.6 Growth of microorganisms; 2.6 Control of microorganisms; 2.7 Conclusions; 3 Testing methods; 3.1 Introduction; 3.2 Analytical methods; 3.3 The surrounding air; 3.4 Cleanrooms; 3.4.1 System for air handling; 3.4.2 Classification; 3.4.3 Control aspects</p> <p>3.5 General particle analysis3.6 Measurements according to US Federal Standard 209 E; 3.7 Measurement of hygienic parameters in a cleanroom; 3.8 Microbiological monitoring of air; 3.9 Active sampling; 3.9.1 The Andersen Sampler; 3.9.2 The Reuter Centrifugal Sampler; 3.9.3 The Slit Sampler; 3.10 Passive sampling; 3.11 Sampling surfaces in cleanrooms and clean zones; 3.12 Conclusions; 4 Cleanrooms and clean zones; 4.1 Introduction; 4.2 Definition of a cleanroom; 4.3 Classes of cleanroom; 4.4 Occupancy states; 4.5 The meaning of the cleanroom classification; 4.6 US Federal Standard 209 E</p> <p>4.7 British Standard 52954.8 ISO >209'; 4.9 Classification of airborne particles according to ISO 14644-1; 4.10 Cleanliness testing within cleanrooms; 4.10.1 Preparations for measurements; 4.10.2 Measurement and evaluation; 4.10.3 Reporting; 4.10.4 Control program; 4.11 Classification of pharmaceutical cleanrooms; 4.11.1 Factors determining the cleanliness of a cleanroom; 4.12 Different types of cleanrooms; 4.12.1 Conventionally-venilated cleanrooms; 4.12.2 Unidirectional flow cleanrooms; 4.12.3 Airflow and air quantity; 4.13 Cleanrooms and clean zones; 4.14 Working in clean zones</p> <p>4.14.1 Working in cleanrooms and clean zones4.14.2 Maintenance and safety; 4.14.3 Systems for cleanroom production; 4.15 Conclusions; 5 Cleaning and decontamination; 5.1 Introduction; 5.2 The purpose of cleaning; 5.3 Standards and practices; 5.4 Cleaning; 5.4.1 Preventive cleaning; 5.4.2 Active cleaning; 5.5 Cleaning responsibility; 5.6 Classification of surface cleanliness; 5.7 Basic cleaning; 5.8 Cleaning program; 5.9 Control of cleaning methods; 5.10 Cleaning techniques; 5.11 Cleaning methods; 5.11.1 Dry methods; 5.11.2 Wet cleaning methods; 5.12 Cleaning Solution; 5.13 The Zinner circle</p> <p>5.14 Elimination of microorganisms</p>
Sommario/riassunto	Contamination control is being used by more and more industries where the highest level of cleanliness and hygiene is of vital importance. This book covers the basic principles of contamination control and cleanroom technology from a holistic point of view. It deals with cleanliness and hygiene and their effects on the outcome of a process, reflecting the latest results from both scientific and practical points of view. The following topics are covered: contaminants and how they are measured; cleanrooms and clean zones; cleaning and decontamination; cleanroom clothing; the impact

