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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 25915.4-2010

**Cleanrooms and associated controlled environments -- Part 4:
Design, construction and start-up**

洁净室及相关受控环境 第4部分：设计、建造、启动

(English Translation)

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Table of Contents

Preface

Introduction

1 Scope

2 References

3 Terms and definitions

4 Requires

5 Planning and Design

Construction and start 4

7 Testing and inspection

8 File

Concepts Appendix A (informative) control and isolation of

Annex B (informative) Example 13 rating

Acceptance Appendix C (informative) facility

Layout Appendix D (informative) facility

Annex E (informative) construction and material

Annex F (informative) cleanroom environment control

Annex G (informative) air cleanliness control

Appendix H (informative) be the demand side/user and the supplier/designer agreed
additional technical requirements

References

Foreword

GB/T 25915 "cleanroom and associated controlled environment" is divided into eight sections.

--- Part 1. air cleanliness level;

--- Part 2. prove continued compliance with the GB/T 25915.1 detection and monitoring of technical conditions;

--- Part 3. Detection;

--- Part 4. design, construction, start-up;

--- Part 5. Run;

--- Part 6. Vocabulary;

--- Part 7. isolation device (clean hoods, glove boxes, isolators, micro-environment);

--- Part 8. Classification of air pollution molecules.

This part of GB/Part 4 T 25915 of.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 14644-4:2004 "clean rooms and associated controlled environments - Part 4. Design, construction, start move".

This part of the National Clean rooms and associated controlled environments Standardization Technical Committee (SAC/TC319) and focal points.

This in part by China Electronics Engineering Design Institute, China Petrochemical Corporation Shanghai Engineering Co., Ltd., China Pharmaceutical and Biological Products is responsible for starting Grass, Beijing Hedo Construction Supervision Co., Ltd. Beijing World source Hedo engineering company Shenzhen Austrian Italian Architectural Design Co., Ltd., Shenzhen Xing Electrical and Mechanical Services Branch net decontamination Ltd., Tianjin Ryongchon clean Seiko Technology Development Co., China Alliance contractors Industry Co., Ltd., North Beijing North Tianyu Building Decoration Co., Ltd., Suzhou Industrial Park, Jia Environmental Technology Engineering Co., Ltd., Beijing Aerospace Changfeng Co. Shares the company participated in the drafting.

Introduction

Cleanroom and associated controlled environments in the air particulate matter control at an appropriate level in order to complete the pollution-sensitive jobs. product Art technology and benefit from the control of pollutants are. aerospace, microelectronics, pharmaceuticals, medical devices, health care and other industries.

This section GB/T 25915 specifies the requirements for design and construction of clean room facilities for the demand side of the clean room, the supplier and designer to make Use, and provide the main performance parameters of the checklist. This section provides instructions to build, including start-up and requires confirmation. Khao when taking into account issues related to operation and maintenance, a clear basic design and construction requirements to ensure the continued satisfactory operation required.

This section is a cleanroom and associated controlled environment of a series of standards. For the operation and control of cleanrooms and other controlled environments, in addition to the design, construction and start-up, there are many factors to consider. Other national standards in these factors in SAC/TC319 developed We have a more detailed discussion.

Cleanroom and associated controlled environments Part 4. Design, construction, start

1 Scope

This section GB/T 25915 specifies the requirements for design and construction of cleanroom facilities, but does not provide the tools needed to meet those requirements Technical or contractual means body. This section also gives an inventory of important performance parameters, together with supply and demand side of the clean room facilities, supplier and designer use. This section gives guidelines include the construction start and confirmation requirements. When considering matters related to operation and maintenance, to ensure clear support Continued basic elements satisfactory operation of the design and construction.

NOTE: For more information about the above requirements are explained in Appendix H. Appendix A ~ GB/T 25915 other parts also gives additional information.

Application of this section are defined as follows.

- User requested by the demand side or the predetermined direction;
- Specific processes within the clean room facilities not specified;
- Without making special for fire and safety regulations, fire protection and safety should comply with applicable national and local regulations;
- It relates only to the route in different regions and between the cleanliness of process media and utilities;
- Only it relates to the construction and initial operation of the clean room related maintenance and specific requirements.

2 References

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 25915.1-2010 cleanroom and associated controlled environments - Part 1. air cleanliness level (ISO 14644-1:1999, IDT) GB/T 25915.2-2010 cleanroom and associated controlled environments - Part 2. prove continued compliance with the GB/T 25915.1 detection Monitoring and technical conditions (ISO 14644-2:2000, IDT) GB/T 25915.3-2010 cleanroom and associated controlled environments - Part 3. Detection method (ISO 14644-3:2005, IDT) GB/T 25916.1-2010 cleanroom and associated controlled environments Biological Pollution Control Part 1. General principles and methods (ISO 14698-1:2003, IDT) GB/T 25916.2-2010 cleanroom and associated controlled environments Biological Pollution Control Part 2. Evaluation of biological contamination data and analysis (ISO 14698-2:2003, IDT)

3 Terms and Definitions

GB/T 25915.1-2010 and as defined in the following terms and definitions are applicable to this document.

Dressing changingroom when out of the clean room personnel wear clean clothes off the room.

Air purification devices cleanairdevice Air purification treatment and distribution, device independent of the environment to achieve a predetermined condition.