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CCS C73



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

GB 46310-2025

Protective clothing - Protective clothing against particles

防护服装 颗粒物防护服

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the Ministry of Emergency Management of the People's Republic of China. Protective clothing, particulate protective clothing

1 Scope

GB 46310-2025 is the Chinese national standard on protective clothing - protective clothing against particles, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 29 August 2025 by the Ministry of Emergency Management, and has been in force since 1 September 2026. Classification: ICS 13.340.10, CCS C73. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the classification and codes, technical requirements and markings, and information that manufacturers should provide for particulate protective clothing. It also describes the testing procedures. method. This document applies to protective clothing that reduces the harm of hazardous particulate matter to the wearer. This document does not apply to protective clothing for protection against volatile or penetrating toxic gases or liquids, nor does it apply to protection against ionizing radiation or medical procedures.

Protective clothing used during diagnosis and treatment.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 3917.3 Textiles - Tear Properties of Fabrics - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 12903 and the following terms and definitions apply to this document.

3.1 particulate matter Solid, liquid, or a mixture of solid and liquid particulate matter suspended in the air.

Note. Such as dust, smoke, fog and microorganisms.

3.2 Synthetic blood A mixture of amaranth red dye, surfactant, thickener, inorganic salt, and distilled water has surface tension and viscosity similar to blood and some other substances. body fluid.

Note. The synthetic blood in this document does not simulate all the properties of real blood or body fluids, such as color, coagulation, and cytoplasmic content. [Source: ISO 16603.2004, 3.7, modified]

3.3 inward leakage rate Under specified test conditions, the concentration of the simulant leaking into the protective suit from various parts, including the seams, was compared with the concentration simulated in the test environment. The ratio of reagent concentration.

Note