ISO 14644-1:1999, Cleanrooms And Associated Controlled Environments -- Part 1: Classification Of Air Cleanliness

INTERNATIONAL STANDARD

ISO 14644-1

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Cleanrooms and associated controlled environments —

Part 1:
Classification of air cleanliness

Salles propres et environnements maîtrisés apparentés —
Partie 1: Classification de la propreté de l'air

ISO

Reference number
ISO 14644-1:1999(E)

Synopsis

This part of ISO 14644 covers the classification of air cleanliness in cleanrooms and associated controlled environments exclusively in terms of concentration of airborne particles. Onlyparticlepopulationshavingcumulativedistributionsbased on threshold (lower limit) sizes ranging from 0,1 Î m to 5 Î m are considered for classification purposes.This part of ISO 14644 does not provide for classification of particle populations that are outside of the specified particle size range, 0,1 Î m to 5 Î m. Concentrations of ultrafine particles (particles smaller than 0,1 Î m) and macroparticles (particles larger than 5 Î m) may be used to quantify these populations in terms of U descriptors and M descriptors, respectively.This part of ISO 14644 cannot be used to characterize the physical, chemical, radiological, or viable nature of airborne particles.

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