
Cleanrooms and associated controlled environments —

**Part 13:
Cleaning of surfaces to achieve defined
levels of cleanliness in terms of
particle and chemical classifications**

Salles propres et environnements maîtrisés apparentés —

*Partie 13: Nettoyage des surfaces afin d'obtenir des niveaux de
propreté par rapport aux classifications particulaire et chimique*





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Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	2
3 Terms and definitions	2
4 General methodology	3
4.1 Overview	3
4.2 Methodology	4
5 Object description	6
6 Cleanliness specifications	7
7 Determination of initial contamination level	7
7.1 General	7
7.2 Determination of initial contamination level with respect to particle concentration	7
7.3 Determination of initial contamination level with respect to chemical concentration	7
8 Other requirements	8
9 Selection of a cleaning methodology	8
9.1 Selection procedure	8
9.2 Cleaning methodologies	8
9.2.1 Cleaning method	8
9.2.2 Categories of cleaning techniques	8
9.3 Cleaning process	9
10 Material compatibility check	9
11 Cleaning validation	10
11.1 General	10
11.2 Cleaning efficiency	11
11.2.1 Evaluation	11
11.2.2 Cleaning efficiency with respect to particle concentration	11
11.2.3 Cleaning efficiency with respect to chemical contamination	12
11.3 Cleaning appropriateness	13
11.3.1 Assessment	13
11.3.2 Cleaning appropriateness with respect to particle concentration	13
11.3.3 Cleaning appropriateness with respect to chemical concentration	14
12 Measurement methods	15
12.1 General	15
12.2 Direct measurement methods	15
12.2.1 General	15
12.2.2 Direct measurement methods with respect to SCP	16
12.2.3 Direct measurement methods with respect to SCC	16
12.3 Indirect measurement methods	16
12.3.1 General	16
12.3.2 Indirect measurement methods with respect to SCP	16
12.3.3 Indirect measurement methods with respect to SCC	17
13 Documentation	17
Annex A (informative) Aspects of cleaning	18
Annex B (informative) Cleaning methods	19
Annex C (informative) Material compatibility with cleaning agents	27
Annex D (informative) Cleanliness measurement	29

Bibliography	34
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Foreword

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This document was prepared by Technical Committee ISO/TC 209, *Cleanrooms and associated controlled environments*.

A list of all parts in the ISO 14644 series can be found on the ISO website.

Introduction

The term surface refers to the interface between two phases. For the purpose of this document, the surface is a solid. A “clean surface” is where one or more of the contamination categories (particles, chemical) are under control due to cleaning/decontamination. The degree of cleanliness is specified in the corresponding surface cleanliness classifications (see ISO 14644-9 and ISO 14644-10). Different cleaning methods are necessary depending on the degree of cleanliness (cleanliness class) required. This document gives guidance on the selection of cleaning methods to achieve specified cleanliness levels. For the selection procedure, the aspects of surface description, cleanliness specifications, types of contamination, cleaning techniques, material compatibility, and assessment methodology are taken into consideration. Most of the methods are suitable for removal of more than one contamination category at the same time; therefore, a common standard for the selection of a cleaning method for both particles, as well as chemical contamination, is needed.