

ISO 14644-10:2022-05 (E)

Cleanrooms and associated controlled environments - Part 10: Assessment of surface cleanliness for chemical contamination

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Testing and grading surface chemical levels	2
4.1	Principles for testing the surface chemical contamination levels of clean surfaces in cleanrooms and controlled environments	2
4.2	ISO SCC descriptor format	2
4.3	ISO-SCC grade level	4
4.4	Converter for substances into surface atomic concentration	4
5	Measuring the cleanliness of surfaces for chemical contamination and demonstration of grade level compliance	5
5.1	Criteria for good cleanliness assessment	5
5.2	Documentation and reporting	6
5.2.1	Principle	6
5.2.2	Testing	6
5.2.3	Test report	6
Annex A (informative)	Conversion between different unit expressions of surface concentration for chemical substances	8
Annex B (informative)	Parameters influencing testing and interpretation of results	15
Annex C (informative)	Essential considerations for a good cleanliness assessment	16
Annex D (informative)	Methods for testing surface cleanliness for chemical concentration	17
Annex E (informative)	Test record documentation	29
Bibliography		30