

Contents

	Page
Foreword	iii
Introduction	iv
1 Scope	1
2 Definitions	1
3 Classification	3
4 Demonstration of compliance	4
Annexes	
Annex A (informative) Graphical illustration of the classes of Table 1	5
Annex B (normative) Determination of particulate cleanliness classification using a discrete-particle-counting, light-scattering instrument	6
Annex C (normative) Statistical treatment of particle concentration data	9
Annex D (informative) Worked examples of classification calculations	10
Annex E (informative) Considerations for the counting and sizing of particles outside the size range applicable for classification	13
Annex F (informative) Sequential sampling procedure	15
Bibliography	18
Figures	
Figure A.1 Graphical representation of ISO-class concentration limits for selected ISO classes	5
Figure F.1 Boundaries for pass or fail by the sequential sampling procedure	15
Tables	
Table 1 Selected airborne particulate cleanliness classes for cleanrooms and clean zones	3
Table C.1 Student's <i>t</i> distribution for the 95% upper confidence limit	9
Table F.1 Upper and lower limits for time at which <i>C</i> observed counts should arrive	16