

ISO 21501-4:2007-05 (E)

Determination of particle size distribution - Single particle light interaction methods - Part 4: Light scattering airborne particle counter for clean spaces

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Terms and definitions	2
3	Requirements	2
3.1	Size calibration	2
3.2	Verification of size setting	2
3.3	Counting efficiency	2
3.4	Size resolution	2
3.5	False count rate	3
3.6	Maximum particle number concentration	3
3.7	Sampling flow rate	3
3.8	Sampling time	3
3.9	Response rate	3
3.10	Calibration interval	3
3.11	Test report	3
4	Test method	4
4.1	Size calibration	4
4.2	Verification of size setting	6
4.3	Counting efficiency	6
4.4	Size resolution	6
4.5	False count rate	7
4.6	Maximum particle number concentration	7
4.7	Sampling flow rate	8
4.8	Sampling time	8
4.9	Response rate	8
4.10	Calibration	8
Annex A (informative) Uncertainty of particle size calibration		9
Annex B (informative) Counting efficiency		11
Annex C (informative) Size resolution		12
Annex D (informative) False count rate		13
Annex E (informative) Response rate		15
Bibliography		16