

ISO 21501-2:2007-05 (E)

Determination of particle size distribution - Single particle light interaction methods - Part 2: Light scattering liquid-borne particle counter

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	Sampling volume	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	7
4.8	Sampling time	8
4.9	Sampling volume	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
	Bibliography	15