



PARTICLE SAMPLE DATA CLASS 100 ROOM

Date Time	Loc	Period	0.1 μ	0.2 μ	0.3 μ	0.5 μ	0.7 μ	1 μ	TMP	R/H
2011-05-03	1	01.00	1	0	0	0	0	0	72.2	34.4
2011-05-03	2	01.00	1	1	0	0	0	0	72.3	34.3
2011-05-03	3	01.00	0	0	0	0	0	0	72.5	34.4
2011-05-03	4	01.00	1	0	0	0	0	0	72.5	34.3
2011-05-03	5	01.00	1	0	0	0	0	0	72.5	34.3
2011-05-03	6	01.00	0	0	0	0	0	0	72.6	34.2
2011-05-03	7	01.00	1	0	0	0	0	0	72.9	33.8
2011-05-03	8	01.00	1	0	0	0	0	0	73.1	33.4
2011-05-03	9	01.00	1	0	0	0	0	0	73.3	33.2
2011-05-03	10	01.00	0	0	0	0	0	0	74.0	32.7
	ISO 14644-1 Classification				2					
	FS 209E Classification				1					

ISO 14644-1 cleanroom standards

Class	maximum particles/m ³						FED STD 209E equivalent
	$\geq 0.1 \mu\text{m}$	$\geq 0.2 \mu\text{m}$	$\geq 0.3 \mu\text{m}$	$\geq 0.5 \mu\text{m}$	$\geq 1 \mu\text{m}$	$\geq 5 \mu\text{m}$	
ISO 1	10	2					
ISO 2	100	24	10	4			
ISO 3	1,000	237	102	35	8		Class 1
ISO 4	10,000	2,370	1,020	352	83		Class 10
ISO 5	100,000	23,700	10,200	3,520	832	29	Class 100
ISO 6	1,000,000	237,000	102,000	35,200	8,320	293	Class 1000
ISO 7				352,000	83,200	2,930	Class 10,000
ISO 8				3,520,000	832,000	29,300	Class 100,000
ISO 9				35,200,000	8,320,000	293,000	Room air