

FED-STD 209 Cleanroom Classification											
CLASS NAME		0.1µM		0.2µM		0.3µM		0.5µM		5.0µM	
		VOLUME UNITS		VOLUME UNIT		VOLUME UNIT		VOLUME UNIT		VOLUME UNIT	
S.I.	ENGLISH	(M ³)	(FT ³)	(M ³)	(FT ³)	(M ³)	(FT ³)	(M ³)	(FT ³)	(M ³)	(FT ³)
M1		350	9.91	75.7	2.14	30.9	0.875	10	0.283		
M1.5	1	1240	35	265	7.5	16	3	35.3	1		
M2		3500	99.1	757	21.4	309	8.75	100	2.83		
M2.5	10	12,400	350	2,650	75	1,060	30	353	10		
M3		35,000	991	7,570	214	3,090	87.5	1,000	28.3		
M3.5	100			26,500	750	10,600	300	3,530	100		
M4				75,000	2,140	30,900	875	10,000	283		
M4.5	1000							35,300	1,000	247	7
M5								100,000	2,830	618	17.5
M5.5	10,000							353,000	10,000	2,470	70
M6								1,000,000	28,300	6,180	175
M6.5	100,000							3,530,000	100,000	24,700	700
M7								10,000,000	283,300	61,800	17,500

Table 1 shows FED-STD 209E table for particle concentration limits. Note there are two Class Names (S.I. and English). S.I. refers to System International. Particle concentration limits are expressed in either M³ or FT³.