



無塵室等級標準

美國1992聯邦標準209E規定之粒子上限數 (個/ft³)
(以0.5μm粒子為依據)

FED-STD 209 Cleanroom Classification

CLASS NAME		0.1μm VOLUME UNITS		0.2μm VOLUME UNIT		0.3μm VOLUME UNIT		0.5μm VOLUME UNIT		5.0μm VOLUME UNIT	
S.I.	ENGLISH	(M3)	(FT3)	(M3)	(FT3)	(M3)	(FT3)	(M3)	(FT3)	(M3)	(FT3)
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

2001年11月停止使用209E · 改使用ISO-14644
部份企業因習慣仍以209E等級定義無塵室

ISO 14644-1 Cleanroom Classification

ISO Classifica- tion Number	0.1μm VOLUME UNITS	0.2μm VOLUME UNIT	0.3μm VOLUME UNIT	0.5μm VOLUME UNIT	1.0μm VOLUME UNIT	5.0μm VOLUME UNIT
	(M3)	(M3)	(M3)	(M3)	(M3)	(M3)
ISO 1	10	2				
ISO 2	100	24	10	4		
ISO 3	1,000	237	102	35	8	
ISO 4	10,000	2,370	1,020	352	83	
ISO 5	100,000	23,700	10,200	3,520	832	29
ISO 6	1,000,000	237,000	102,000	35,200	8,320	293
ISO 7				352,000	83,200	2,930
ISO 8				3,520,000	832,000	29,300
ISO 9				35,200,000	8,320,000	283,000