



## AN 369

SIMS Detection Limits of Selected Elements  
in InP Under Normal Depth Profiling Conditions

May 7, 2007 (Version 4.0)

O <sub>2</sub> /SIMS Positive Secondary Ion Detection		Cs/SIMS Negative Secondary Ion Detection		Cs/SIMS Positive Secondary Ion Detection (CsM+)	
Element	DL (atoms/cm <sup>3</sup> )	Element	DL (atoms/cm <sup>3</sup> )	Element	DL (atoms/cm <sup>3</sup> )
Be	1E+13	H	5E+16 - 1E+17	Mg	1E+15
Li	5E+13	Be	1E+14	Zn	1E+15
B	1E+14	C	5E+15 - 1E+16		
Na*	5E+14	N	1E+16 - 2E+16		
Mg	1E+14	O	1E+16 - 2E+16		
Al*	1E+15	F	5E+14		
K	5E+14	Si	5E+14		
Ca	1E+14	S	1E+15		
Ti	5E+14	Cl	2E+15		
Cr	1E+13	Cu	1E+16		
Fe	5E+14	Ge	2E+15		
Ni	1E+15	As*	5E+16		
Mn	1E+13	Se	1E+13		
Co	1E+15	Sn	5E+15		
Cu	1E+16	Te	1E+13		
Zn	1E+17	Au	1E+14		
Ag	1E+15	W	2E+16		
Mo	5E+14	Ag	1E+16		
Pb	1E+15	Br	2E+13		
		Sb	5E+15		

\*Varies with memory effect

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