

Limits of Detection on Ultima Expert

X
LD

LD: typical limits of detection de détection in $\mu\text{g/l}$ at $3 \times s_{\text{blank}}$ with s_{blank} standard deviation of the blank evaluated with 10 independant measurements.

Measurement with radial viewing with the same operating conditions for all the elements.
(1000 W, plasma gas 12L/min, auxiliary gas 0 L/min, sheath gas 0.2 L/min, nebulizer gas 0.9 L/min)

H																	He				
Li 0.5	Be 0.05															B 0.3	C	N	O	F	Ne
Na 0.6	Mg 0.03															Al 0.2	Si 1.3	P 1.5	S 1.5	Cl 200	Ar
K 1.5	Ca 0.03	Sc 0.09	Ti 0.2	V 0.2	Cr 0.2	Mn 0.05	Fe 0.2	Co 0.2	Ni 0.3	Cu 0.2	Zn 0.2	Ga 2.6	Ge 2.5	As 1.2	Se 1.1	Br 100	Kr				
Rb 6	Sr 0.03	Y 0.2	Zr 0.3	Nb 0.9	Mo 0.2	Tc	Ru 1.5	Rh 3	Pd 1.1	Ag 0.6	Cd 0.1	In 1.4	Sn 1.3	Sb 1.5	Te 2.2	I 10	Xe				
Cs 3.2*	Ba 0.04			Hf 1	Ta 0.9	W 2	Re 0.9	Os 0.13	Ir 2	Pt 1.3	Au 0.6	Hg 1.3	Tl 1	Pb 1.5	Bi 2.6	Po	At	Rn			
Fr	Ra																				
		La 0.6	Ce 1.5	Pr 1.7	Nd 0.9	Pm	Sm 1.2	Eu 0.15	Gd 0.8	Tb 0.9	Dy 0.5	Ho 0.35	Er 0.7	Tm 0.3	Yb 0.06	Lu 0.08					
		Ac	Th 1.9	Pa	U 1.4	Np	Pu	Am	Cm	Bk	Cf	Es									

* in mg/l