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International journal devoted to all branches of analytical chemistry

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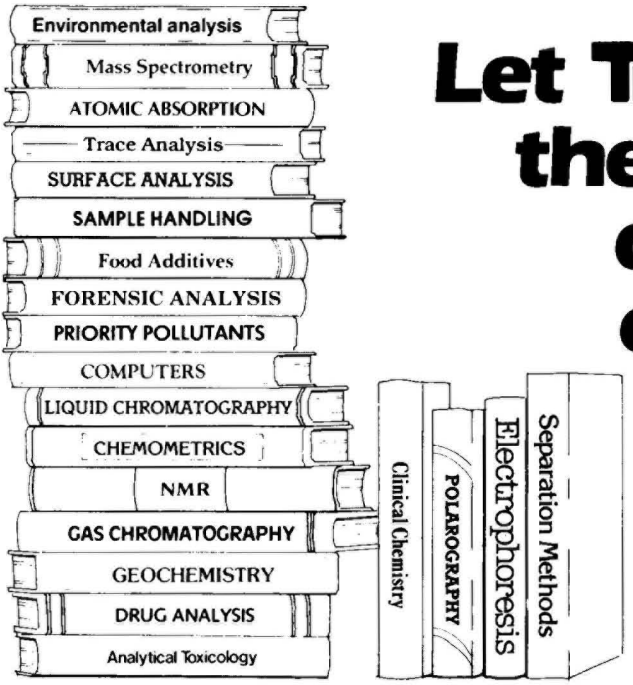

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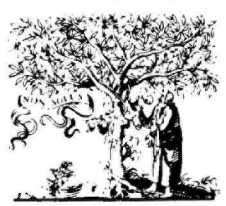

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Appendix

Basic SI units

metre	m	candela	cd
kilogram	kg	mole (an Avogadro number of particles such as atoms, molecules, ions, electrons.)	mol
second	s		
ampere	A		
degree Kelvin	K		

Derived SI units

joule	J	kg m^2 s^{-2}	farad	F	A s V^{-1}
newton	N	J m^{-1}	weber	Wb	V s
watt	W	J s^{-1}	henry	H	V s A^{-1}
coulomb	C	A s	tesla	T	V s m^{-2}
volt	V	J A^{-1} s^{-1}	hertz	Hz	s^{-1}
ohm	Ω	V A^{-1}	degree Celsius	°C	K − 273.15

Other units

litre	l	10^{-3} m^3	hour	h	3.6×10^3 s
gram	g	10^{-3} kg	dyne	dyn	10^{-5} N
poise	P	10^{-3} m^{-1} s^{-1}	atmosphere	atm	101.325 kN m^{-2}
electron volt	eV	1.6021×10^{-19} J	molar	M	mol l^{-1}
calorie	cal	4.184 J	molal	*m*	mol kg^{-1}
minute	min	60 s	curie	Ci	3.7×10^{10} s^{-1}

Prefixes to abbreviations for the names of units indicating

Multiples		Sub-multiples			
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giga ($\times 10^9$)	G	micro ($\times 10^{-6}$)	μ	femto ($\times 10^{-15}$)	f
mega ($\times 10^6$)	M	nano ($\times 10^{-9}$)	n	atto ($\times 10^{-18}$)	a
kilo ($\times 10^3$)	k				

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