

APPENDIX - XI

CONVERSION FACTORS USED IN GENERAL ANALYSIS WORK

To convert from	To	Multiply by
%	mg/kg	100000
kcal/g	kcal/kg	1000
kcal/100g	kcal/kg	10
mg/100g	mg/kg	10
g/100g	%	1
ppm	mg/kg	1
IU/100g	IU/g	0.01
µg/100g	mg/kg	0.01
g/kg or mg/g	%	0.1
IU/kg	IU/g	0.001
mg/100g	%	0.001
mg/kg	%	0.0001
ppm	%	0.0001
kcal/lb	kcal/kg	2.2046
mg/lb	mg/kg	2.2046
g/lb	%	0.22046
IU/lb	IU/g	0.002205
µg/lb	mg/kg	0.002205
mg/lb	%	0.00022
µg crystalline vita. A alcohol/kg	IU/g	0.00333
µg crystalline vita. A alcohol/100g	IU/g	0.0333
µg crystalline vita. A alcohol/g	IU/g	3.33
µg vita. A acetate/kg	IU/g	0.002906
µg vita. A acetate/100g	IU/g	0.02906
µg vita. A acetate/g	IU/g	2.906

µg vita. A palmitate/kg	IU/g	0.001818
µg vita. A palmitate/100g	IU/g	0.1818
µg vita. A palmitate/g	IU/g	1.818
µg β-carotene/kg	IU/g	0.001667
µg β-carotene/100g	IU/g	0.01667
µg β-carotene/g	IU/g	1.667
% CaO	% of Ca	0.715
% Fe ₂ O ₃	% of Fe	0.699
% K ₂ O	% of K	0.830
% MgO	% of Mg	0.6033
% Na ₂ O	% of Na	0.742
% P ₂ O ₅	% of P	0.436
% SO ₂	% of S	0.500

µ is the Greek letter. When used alone it means 1 micron; when used as a prefix it means micro.