

Appendix C: Reference Tables

	PAGE
Table of standard atomic weights, 1999	3
900.03 Temperature corrections for readings of saccharometers (standard at 20°C)	6
908.01 Alcohol table for calculating percentages of alcohol by volume at 15.56°C (60°F) in mixtures of ethyl alcohol and water from Zeiss immersion refractometer readings and refractive indices at 17.5 –25°C	7
909.03 Density of carbon dioxide (Parr)	13
909.04 Correction factors for gasometric determination of carbon dioxide	14
913.02 Percentages by volume 15.56°C (60°F) of ethyl alcohol corresponding to apparent specific gravity at various temperatures	16
921.14 Correction table for specific gravity milk (Quevenne lactometer)	35
924.10 Percentages by weight corresponding to various percentages by volume at 15.56°C (60°F) in mixtures of ethyl alcohol and water	36
930.44 Total reducing sugar required for complete reduction of 10 mL Soxhlet solution to be used in conjunction with Lane-Eynon general volumetric method	37
930.45 Total reducing sugar required for complete reduction of 25 mL Soxhlet solution to be used in conjunction with Lane-Eynon general volumetric method	38
932.29 Jackson-Mathews table of densities of fructose solutions and mean density and expansion coefficients between 20 and 25°C	39
933.12 Table for determining per cent sucrose in sugar solutions from readings of Zeiss immersion of refractometer at 20°C	40
935.70 Various strength solutions of the common acids, alkalines, and alcohol	41
940.39 Hammond table for calculating glucose, fructose, and invert sugar and lactose alone and in the presence of sucrose, with values for maltose from the Munson and Walter table	42
942.33 Degrees Brix, specific gravity, and degrees Baumé of sugar solutions (Plato table)	51
944.16 Refractive indices of glucose, fructose, and raffinose hydrate solutions at 20°C	57
945.101 Table for determining total solids in milk from any given specific gravity and percentage of fat (Shaw and Eckles)	58
955.57 Optical crystallographic properties of some crystalline drugs	60
955.58 Table of refractive indices for drugs, arranged according to ascending value of the lowest index.	65
962.37 Density of sucrose solutions at 0 –100°C and 0–70%	69
962.38 Volume factors for thermal expansion of sucrose solutions up to 100°C	70
963.36 Refractive indices of invert sugar solutions	71

963.37	Nomograph relating absorbance, concentration, and absorptivity (1 cm cell)	72
970.90	Specific gravity and degrees Plato of sugar solutions or per cent extract by weight.	73
990.35A	Concentration of aqueous sucrose solutions (mass fraction, g/100 g) as function of refractive index (<i>n</i>) measured at 20°C at wavelength of 589 nm (Na D line)	78
990.35B	Concentration of aqueous sucrose solutions (mass fraction, g/100 g) as function of refractive index (<i>n</i>) measured at 20°C at wavelength of 546 nm (Hg e line)	81
990.36A	Corrections for determination of sucrose in aqueous solutions from refractive index (<i>n</i>) readings at wavelength of 589 nm (Na D Line) at temperatures other than 20°*	85
990.36B	Corrections for determination of sucrose in aqueous solutions from refractive index (<i>n</i>) readings at wavelength of 546 nm (Hg e Line) at temperatures other than 20°*	86

SURPLUS TABLES
(10th Ed.)

Domke table of apparent specific gravity of sucrose solutions at 20°C (partially replaced by 942.33 , 962.37 , and 962.38)	43.006
sucrose (0.4 g and 2 g total sugar), lactose, lactose and sucrose (2 mixtures), and maltose (crystalized) Maltose values retained in 940.39	43.012
Corrections to be subtracted from iodine titer to obtain mg invert sugar by Ofner method	43.014
Munson and Walker table for calculating glucose, invert sugar alone, invert sugar in presence of Wein table for determining maltose	43.016
Quisumbing and Thomas table for calculating glucose, fructose, invert sugar, lactose, and maltose (47.024 , 11th Ed.).	43.020
Krober table for determination of pentoses and pentosans	43.021
Progressive accumulation of radium emanation	43.029
Meissl and Hiller factors for determining invert sugar in materials in which, of total sugars present, more than 1.5% is invert sugar and less than 98.5% is sucrose	43.105