

26.05.2009 - News Item: ABNT NBR 5992 2008

ABNT NBR 5992 “Ethanol and its mixtures with water – Determination of the density and alcoholic strength – Glass densimeter method”, second edition, was published in November 2008, and is valid since 17.12.2008. It replaces the first edition from 1980.

QuantityWare has carefully analyzed this edition of ABNT NBR 5992.

This second edition provides a mathematical implementation instruction (Annex A, informative) which can be utilized to define software implementations.

QuantityWare will deliver a complete implementation of this important standard with Service Pack 12 in Q3 2009.

The implementation will enable quantity conversion calculations, where either an observed density of the alcohol/water mixture is entered, or the mass ratio of ethanol with respect to the mixture. Base density is calculated according to ABNT NBR 5992, as well as the volume correction factors and the volume ratios (Ethanol/Mixture) at various temperatures.

Via the QuantityWare MQCI integration, all relevant quantity values (masses, weights, volumes of a mixture, and masses, weights and volumes of the ethanol portion of the mixture) can be calculated and are available for all ERP business processes.