

pH, Total Acidity, and Titratable Acid (TA) defined

Titrateable Acidity (TA) is a measure of the amount of acid present in a solution. It is expressed as grams/liter (g/L) and is obtained by multiplying to percent TA by 10. So, a TA of 0.60% is expressed as 6g/L.

pH is defined as the measure of the strength of acid in a solution. On a pH scale, 7 is considered neutral. The lower the number on the pH scale, the more acidic. Conversely, the higher the reading on the pH scale, the more alkaline. pH is a logarithmic scale. So, for each increment there is a factor of 10. So, a reading of 5 is 10 times more acid than a reading of 6.

Total Acidity (TA) is a measure of the complete acid content in a wine. While it is more accurate, this measure is not easy to ascertain. So, Total Acidity is often measured using the next best thing, which is the measure of titrateable acid. Hence, the terms, while used interchangeably, mean different things, but in practice are based upon the results of acid titration.

** Note – while TA and pH are related in that they are associated to acidity, amount of acid and strength of acid are very different. For example, two solutions with the same g/L of acid may have very different pH readings if one solution's acid is weaker than the other's.



For more information, please contact us at 877.812.1137 or email support@juicegrape.com. Thank you.