

Download 30 H₂O₂ Molarity

Trying to calculate molarity based on the 30% value is not necessary, as the company will provide you with the molarity. Either way, standard practice is to determine the molarity via titration ... You can use the molar extinction coefficient of H₂O₂, which is 43.6 M⁻¹ cm⁻¹ at 240 nm. Using the Beer-Lambert Law, $A = \epsilon bc$ where ϵ = the molar extinction coefficient, b = the path length of the cuvette in cm, and c = molar concentration, you can solve for "c" based on the absorbance you get for a H₂O₂ solution. If available for a given product, the recommended re-test date or the expiration date can be found on the Certificate of Analysis. About USP Technologies. USP Technologies is a leading provider of hydrogen peroxide and peroxide based, performance-driven, full-service environmental treatment programs to help purify water, wastewater, soil and air.