



BP8678 Phenolphthalein Indicator 1% (w/v)

Thank you for purchasing Biopharm Phenolphthalein Indicator 1%. This is a classic laboratory indicator for performing acid-base volumetric analysis. Our formulation uses propylene glycol as the solvent, thus avoiding the flammability issue that exists with alcoholic solutions. This product does not carry expiration dating because it is stable for many years. Phenolphthalein's appearance is colorless at pH 8 and below, or pink/fuchsia at pH 10 to 13. (Note that above pH 13, phenolphthalein will become colorless again!) For most applications, a transition from colorless to pink indicates a pH rising above about 8 – meaning that an excess of base has been added - whereas a transition from pink to colorless indicates dropping below a pH of about 8, showing essentially complete neutralization of the beginning base. (Between PH 8 and 10, only *some* of the phenolphthalein molecules are pink, but that is enough to see!) Bear in mind that the pH scale is logarithmic, thus pH 9 is ten times more basic/alkaline than pH 8, pH 10 is ten times more basic than pH 9, etc.

If you are simply “spot-testing” for alkalinity — such as with concrete — simply drop the indicator directly on the material to be tested. If you don't want the indicator in your product (e.g., soap) put a small sample of your product into a separate container and test there. Adding a few drops of distilled water may help disperse the product and give clearer results. Normally, one drop of indicator is enough for a spot test. Three drops are normally used for titrations. To prevent cross-contamination, avoid allowing the dropper bottle to touch the sample or other item. For more information, we suggest you read the Wikipedia articles on phenolphthalein and propylene glycol. If you need additional information, you can email us with your questions.

Again, thank you for choosing Biopharm products. Have a great day!