

Dear Valued Customer;

Regarding your questions about the expiration of opened bottles of Myron L Company standard solutions and pH Buffers:

Each batch of Myron L Company's Standard Solutions is mixed and stored in an environmentally controlled Solutions Room that preserves the solutions for the short time before they are bottled for customer orders.

Customer orders are filled as needed and tested just prior to the bottle filling process. The purpose of this final verification is to ensure that the solution will be good for its entire shelf life after bottling, which is one year if stored unopened and according to the instructions listed on the data sheet shipped with each bottle. The expiration date is calculated from the date of this final verification to let you know the recommended shelf life for each bottle of solution.

To preserve the concentration/pH values of solutions after the bottle has been opened, handled them in the following manner:

1. When using the solution, pour it directly from the bottle. If using a syringe or pipette, pour the solution into another container and fill the syringe or pipette from there.
2. Recap the bottle immediately after pouring. Keep the bottle capped when not in use.
3. Do not return used samples to the storage bottle, including any solution poured into secondary containers for use with syringes and pipettes.
4. Store the capped solution below 30°C / 86°F. Do Not Freeze.

Following the above steps will ensure that even a opened and partially used bottle of Myron L Company solution will be within specification up to its listed expiration date.

Evaporation and contamination are the two most common reasons why solutions of these types degrade. The effects of both of these factors is not time dependent, rather they are related to the degree of evaporation or contamination that occurs. Stating that an opened bottle of solution should be disposed of after defined period of time implies that it does not need to be disposed of until then. In some circumstance this is simply not true. A few hours of extreme evaporation or one instance of contamination can ruin a solution immediately.

If you have an further questions about Myron L Company solutions or any of our other products, please do not hesitate to let me know.

Sincerely,



Quality Manager