

## AccuStandard's Improved Expiration Dating Program

Not all of the **AccuStandard** solutions are stable for 18 months or more. The expiration period is a function of three factors:

1. The chemistry of the elements in the solution (see our information below)
2. How the product has been handled (temperature, pressure, light, etc)
3. Our experience

Some products are good almost indefinitely. Some are troublesome after only 3 months.

**For the long expiry date items (inorganic items with an expiration date of 18 months) AccuStandard dates from the shipping date.**

Some products are designed by a regulatory agency or customer with the know-ledge that they have limited stability due to chemical interactions occurring. These interactions are due to the nature of the chemicals involved which are beyond anyone's control.

For these reasons, **AccuStandard** offers these products as short expiration date products, based on the expectations that the customer will purchase them **on an as needed basis, and use immediately**. To best serve the customer, **AccuStandard** manufactures these products frequently **so that new product is always available**.

To address the needs of our customers, **AccuStandard** instituted 10 years ago, an extensive On-going Stability Program which has enabled us to accumulate vast amounts of data that allows us to more accurately predict expiration dates.

**For the products with limited stability we date expiration from the day of manufacture (even though most manufacturers date from the shipping date). That reflects reality.**

For products which state an expiration date that gives you less than the accustomed time to use them i.e. 4-12 months, our On-going Stability Program allows for the extra option of retesting those products. These products, if found to be still near original concentration levels may receive recertification for an additional period of time. If your customer needs a recertification for this product, please inform us.

According to our experience it is very seldom that we have a complaint concerning the product quality. If it is the case that one lot is troublesome, we always replace the product.

If you have further questions or any comments, please do not hesitate to contact us again.

With best regards,

**AccuStandard Europe**  
**Dr. Vogel GmbH**