



Tel: +1.805.964.3615 info@fwt.com  
Fax: +1.805.964.3162 www.fwt.com

330 Kellogg Avenue, Suite D, Goleta, CA 93117 U.S.A.

## FWT-60 Shelf-Life

Over a period of 9 years and 8 months Far West Technology used a single batch of film as a control during 40 irradiations with film from other batches. The film was stored in the dark at Far West's facilities, without special control of temperature or humidity. Best fit analyses of the data for 600 nm showed the response ( $k = (A - A_0)/\text{thickness}$ ) decreased approximately 0.25% per year and that initial absorbance increased approximately 1% per year over that period.

With this data Far West concludes that the shelf life of the FWT-60 film is at least 5 years, provided that (1) the customer re-evaluates the initial absorbance on a regular basis, (2) the increased variance of  $A_0$  is acceptable if an average  $A_0$  is used in calculations, and (3) the calibration is verified or updated regularly per ISO/ASTM recommendations.

*John D. Ritchey, Pres./CEO*  
*Feb 24, 2015*