



Deep Yellow Water Dye

DYE-145

Wildfire Deep Yellow Water Dye is a specially formulated version of Xanthene dye for convenient use in water tracing and leak detection studies. This fluorescent dye is certified by NSF International to ANSI/NSF Standard 60 for use in water. It may be detected visually, by ultraviolet light and by appropriate fluoremetric equipment. Today it is most often used visually. Visually the dye appears orange to red-orange, depending on its concentration and under ultraviolet light as deep yellow.

The dye is resistant to absorption on most suspended matter in fresh and salt water. However, compared to Wildfire Brilliant Yellow water dye it is slightly more resistant to degradation by sunlight but less resistant than our Bright Orange Dye. As always the suitability of these products for any specific application should be evaluated by a qualified hydrologist or other industry professional.

General Properties	
Detectability of active ingredient ¹	Visual <100 ppb
Maximum absorbance wavelength ²	515/535 nm
Appearance	Reddish-Orange aqueous solution
NSF (Max use level in potable water)	0.8 ppb
Specific Gravity	1.05 ± 0.05 @ 25 °C
Viscosity ³	1.8 cps
pH	8.0 ± 0.5 @ 25 °C

Coverage of Products	One Pint Liquid
Light Visual	40,000 gallons
Strong Visual	4,000 gallons

Caution: These products may cause irritation and/or staining if allowed to come in contact with the skin. The use of gloves and goggles is recommended when handling this product, as with any other dye or chemical.

To our best knowledge the information and recommendations contained herein are accurate and reliable. However, this information and our recommendations are furnished without warranty, representation, inducement, or license of any kind, including, but not limited to the implied warranties and fitness for a particular use or purpose. Customers are encouraged to conduct their own tests and to read the material safety data sheet carefully before using.

¹ In deionized water in 100 ml flask. Actual detectability and coverage in the field will vary with specific water conditions.

² No significant change in fluorescence between 6 and 11 pH.

³ Measured on a Brookfield viscometer, Model LV, UL adapter, 60 rpm @ 25C.

Specifications subject to change without notice or obligation