

## **In-Spec® Real UVT Standard Solution**

Real Tech Inc. has available In-Spec® Real UVT Standard solution for the Real UVT meter. The In-spec® Real UVT Standard solution can be used for conducting routine performance checks on the Real UVT meter to validate the accuracy of results. The In-spec® Real UVT Standard solutions are non-toxic, NIST traceable standards and come ready to use with a guaranteed one-year shelf life.

Please note that the In-Spec® Real UVT Standard solution is an option to accompany the Real UVT meter and that the use and calibration of the Real UVT meter does not require this product.

The In-spec® Real UVT Standard Solutions Starter Kit includes a 60mL bottle of the In-spec® Real UVT Standard solution as well as a 60mL bottle of the In-spec® Background solution. The In-spec® Real UVT Standard solutions are also available in 125mL bottles.

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### **Instructions for using the In-Spec® Real UVT Standard solution with the Real UVT Meter**

In-spec® Real UVT Standard comes ready to use. Pour In-spec® Background solution into a clean and dry Real UVT meter quartz cuvette. Calibrate or zero out the Real UVT meter with the In-spec® Background solution (as you usually would with DI water when testing a water sample). Rinse the cuvette out and pour in the In-spec® Real UVT standard solution and compute the UV absorbance (UVA) with the Real UVT meter and then compare your results to the lot analysis provided with the standards. If your results are within a 5% tolerance of this value, the instrument is working well. If your results are outside the expected tolerance, check to make sure that protocols were followed, the In-spec® Background solution was used and the solution has not been frozen. Further assistance is available to pinpoint variances.

Please note that the In-spec® Background solution is used for calibration, instead of DI water, *only* when you are about to perform a UVA test on the In-spec® Real UVT Standard solution. At no other time should the In-spec® Background solution be used for calibration of the Real UVT meter.