

Certified Viscosity Standards

Rheometer/Viscometer Calibration Fluids

Shelf Life

All *Certified Viscosity Standards* (Calibration Fluids) supplied by **Fann Instrument Company** have “Date Opened _____” printed on the label. Fann recommends the date be recorded on the label when the container is opened. This serves as a reference to indicate the age (freshness) of the viscosity standard. Fann viscosity standards will retain full concentration and accuracy for a period of time that is dependent on a number of factors.

Certified Viscosity Standards stored in containers with the seal intact (unopened), may remain fully functional for 2 years after the date opened. However, once the container has been opened, contamination becomes the major contributing factor in the degradation of the quality (purity) of the viscosity standard.

Sources of contamination are:

- Rotors, bobs, and bob-shafts of Rheometers/Viscometers that are not properly cleaned between tests
 - *Example:* An attempt to calibrate a viscometer with 100 cP calibration fluid while the instrument has residue from a 50 cP calibration fluid on the rotor, bob, or bob-shaft will result in contamination of the 100 cP fluid, as well as an inaccurate instrument calibration.
- Improper cleaning of associated hardware, glassware, and containers used for testing and calibration
- Cross utilization of glassware and containers used for testing and calibration
- Cross utilization of sample cups used for testing and calibration
- Atmospheric particles (contaminants) settling in open containers of calibration fluids

Fann is the leading manufacturer and a worldwide supplier of test and measurement instrumentation for the analysis of drilling, fracturing, completion fluids, and oil well cements.

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