

# WATER STANDARDS FOR KARL FISCHER TITRATORS

Community titrator? Questionable sample? You can use water standards to identify a problem with your sample or titrator. Start with fresh vessel solution and inject a water standard as a sample. Next, analyze your products. Finally, inject a water standard as a sample again. There should be a correlation between the two water standard values. If there isn't, one of your samples may be causing an interference, or there may be a problem with the titrator.

GFS Chemicals is a primary manufacturer of a broad range of reference materials, all made in our Columbus, OH facility. The liquid standards are delivered in ten 5mL single use ampoules with a 5-year shelf life.

Watermark® water standards are methanol free and can be used in all KF applications.

LIQUID STANDARDS			Part #			Part #
By Weight			By Volume			
10 mg/g	1.00%	10,000 ppm	99881	10 mg/mL		99888
5 mg/g	0.50%	5,000 ppm	98992	5 mg/mL		99753
1 mg/g	0.10%	1,000 ppm	99862	1 mg/mL		99753
0.5 mg/g	0.05%	500 ppm	99862	0.1 mg/mL		99893
0.1 mg/g	0.01%	100 ppm	99842			
0.05 mg/g	0.005%	50 ppm	98981			

SOLID STANDARDS	
Sodium Tartrate, 15.61% to 15.71%	100 g 69356
Potassium Citrate, 5.5% to 5.6%	10 g 99571
Potassium Citrate, 5.5% to 5.6%	10x10 g 99572

## ADVANTAGES OF WATERMARK® KF STANDARDS

- Tested under an ISO/IEC 17025 accredited Management System.
- NIST Traceable to SRM 2890.
- Single-Use ampoules sealed under argon.
- Certificate of Analysis included.

Liquid standards are the easiest & most accurate way to introduce a water standard into the titration vessel. Many titrators have built-in methods to make titrant standardization simple for you.

**WATERMARK**  
A GFS CHEMICALS BRAND®



**GFS**  
CHEMICALS®

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