

WATER STANDARDS FOR KARL FISCHER TITRATIONS

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 for all applications.

Liquid Standards – By Weight			PART NO.
10 mg/g	1.00%	10,000 ppm	99881
5 mg/g	0.50%	5000 ppm	98992
1 mg/g	0.10%	1000 ppm	99862
0.5 mg/g	0.05%	500 ppm	98962
0.1 mg/g	0.01%	100 ppm	99842
0.05 mg/g	0.005%	50 ppm	98981

Liquid Standards – By Volume	PART NO.
10 mg/mL	99888
5 mg/mL	99753
1 mg/mL	99733
0.1 mg/mL	99893

Solid Standards	PART NO.
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%, 10 x 10 g	99572

ADVANTAGES OF WATERMARK® KF WATER STANDARDS

- Manufactured in USA according to ISO 9001:2008 & 17025:2017
- NIST Traceable to SRM 2890
- Single use ampoules sealed under argon
- Certificate of Analysis included

Liquid standards are the easiest and 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.

