



**Brighter
Analysis**

**Karl Fischer
&
Titration**

**Karl
Fischer
Titration**

Titration

X

Karl Fischer Titration



Accurate, reliable, and fast moisture content determination gained from over 40 years of experience in Karl Fischer Titration.

**Aquastar®
Reagents**

**Applications
& Support**

Volumetry

Coulometry

**Water
Standards**

Aquastar® Reagents

Aquastar® Karl Fischer Reagents – the standard for reproducible results.

Our Aquastar® reagents & standards are distinguished by their excellent quality. From the selection of raw materials & packaging to our stringent production processes and quality control we apply the strictest standards to produce reliable and consistent Karl Fischer reagents.



Discover Aquastar®

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Applications & Support

Need help finding the right method for your application? Benefit from our experience and download a personal copy from more than 500 Karl Fischer applications.

[Get your application note](#)

For individual support please contact us under:

Aquastar@milliporesigma.com

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Volumetry

Volumetric Karl Fischer titration is the preferred method for moisture determination in samples of high water content (0.1% to 100% water), and is one of the most frequently used methods for water determination.

We offer a broad range of Aquastar® reagents:

- One component reagents
- Two component reagents
- Reagents for Aldehyde and Ketones
- Special reagents for oils and fats

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Coulometry

For samples with water content of below 1%, coulometric Karl Fischer titration is the preferred method.

Find a wide range of Aquastar® coulometric reagents for accurate and reproducible results, with titration cells both with and without diaphragms:

- CombiCoulomat Fritless
- CombiCoulomat Frit uses just one reagent for both the anode and cathode chamber
- Coulomat A – NC for the anode chamber & Coulomat C – NC for the cathode chamber



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Water Standards

For precise water determination every time; our Aquastar® water standards can be used for titer determination and instrument check.

Qualified in our DIN EN ISO/IEC 17025 accredited laboratory, you can rely on our Aquastar® standard reference materials.

- Water standards in ampoules, including oil standard (15 to 30 ppm)
- Water standard – oven 1%
- Lactose standard 5%
- Di-Sodium tartrate dihydrate 15.55%



[Discover water standards](#)

[Discover Aquastar®](#)

Titration



Precisely adjusted, high-quality volumetric solutions for dependable titration and analysis.

Titripur®

Packaging

Titripac®

Volumetric Standards

Indicators

Titripur® Volumetric Solutions

Our range of Titripur® volumetric solutions offer outstanding purity, quality and reliability. For metal or impurity analysis, assays, or concentration determination. With our first-rate volumetric solutions, you can be sure that your titrations always meet the most rigorous demands.

**Consistently high quality –
and the certification to prove it.**



Discover titration

Titration

Precisely adjusted, high-quality volumetric solutions for dependable titration and analysis.

X

Titripur®

Packaging

Titripac®

Volumetric
Standards

Indicators

Packaging

We believe that sophisticated packaging is essential to ensure the highest quality. So we only use glass and plastic grades that do not alter any of the products characteristics during their shelf life in unopened bottles.

Optimized for every application; our volumetric solutions are available in a variety of formats to fit your needs:

- Titrisol® ampoules as concentrates
- Ready-to-use PE and glass bottles & canisters in different pack sizes
- Our unique and sophisticated Titripac® packaging



[Discover volumetric solutions](#)

[Discover Titripur®](#)

Titration



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Packaging

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Volumetric Standards

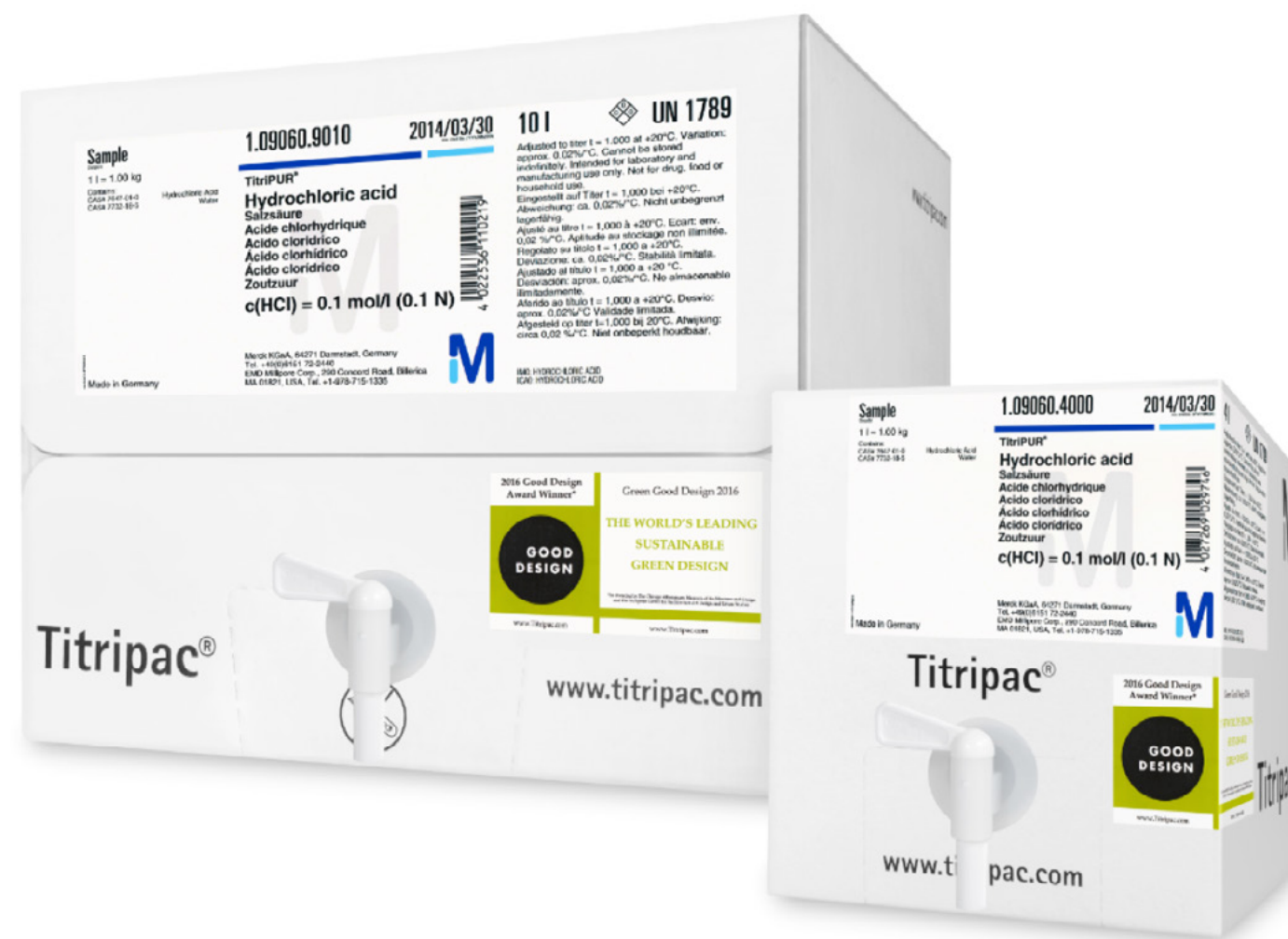
Indicators

Titripac®

Our innovative packaging solution that saves time, money, and protects the environment is also winner of the Green Good Design Award 2016.

Designed to make titration more reliable and less wasteful, solutions can be used from the first to the last drop.

- No contamination – hermetically sealed
- Reduction of titer determinations
- Easy to use with integrated withdrawal tap
- Environmentally friendly disposal



Discover Titripac®

Titration



Precisely adjusted, high-quality volumetric solutions for dependable titration and analysis.

Titripur®

Packaging

Titripac®

Volumetric Standards

Indicators

Volumetric Standards

Certipur® volumetric standards are reliable and certified reference materials which ensure precise titration results. Designed to make titration more reliable and less wasteful, solutions can be used from the first to the last drop.

- Directly traceable to primary standard reference materials from the NIST (National Institute of Standards and Technology, USA)
- Qualified in our DIN EN ISO /IEC 17025 accredited laboratory

[Discover volumetric standards](#)



Titration

Precisely adjusted, high-quality volumetric solutions for dependable titration and analysis.

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Standards

Indicators



Indicators

For manual titration, indicators show the endpoint of the titration through easily recognizable visual changes such as color change, clouding or fluorescence. Tailored to the exact requirements of your applications, we offer a wide range of high quality indicators:

- Acid-Alkali (pH) indicators
- Complex or metal indicators
- Fluorescence indicators
- Redox indicators
- Special application indicators

[Discover our indicators](#)