



Item Number: 188050

Water standard 0.01%

Reference Material for Karl Fischer
Titration 1 g $\pm$ 0.1 mg H₂O Aquastar®

The Aquastar® Water standard 0.01% is a liquid water standard based on xylene with a water content of 90 ppm–110 ppm. The batch-specific certificate of analysis states the exact value measured by direct coulometric titration of the respective batch.

The Aquastar® Water standard 0.01% is a certified reference material for ensuring the accuracy of Karl Fischer equipment according to ISO 9001 chapter 7.1.5 “Monitoring and measuring resources” of coulometric Karl Fischer Titrators and checking measuring results according to European Pharmacopeia (Ph.Eur.) chapter 2.5.32 “Water Micro Determination”.



Handling recommendations:

Coulometric Titration:

Titration parameters:

Titration: Default titration settings
(according to instrument manufacturer)

Stirring time: 10 seconds

Weigh in quantity: approx. 1–2 g

Procedure:

The titration medium (100 mL) is placed into the titration cell and titrated dry. The Aquastar® Water standard 0.01% is injected into the titration cell with a syringe (exact sample weight determination by weighing of syringe before and after injection) and the water determination is started.

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