

Supelco[®]
Analytical Products



Titration goes digital

Connect Directly to Your Titrator with SmartChemicals

A new titration technology, using Supelco[®] SmartTitrants & Supelco[®] SmartStandards transfers data seamlessly to the titrator. Just a brief touch on the reagent bottles saves time, reduces errors and always ensures maximum data integrity.

Safe data transfer via RFID technology

By copying data from certificates of analysis is slow and creates chances for errors.

SmartChemicals eliminate time consuming steps and human errors by transferring all data wirelessly and instantly to the titrator software. Volumetric solutions, Karl Fischer titrants and all standards are embedded with an RFID (Radio Frequency Identification) tag. All relevant data from the Certificate of Analysis are stored on the RFID tag of the SmartChemical.

Just a simple touch transfers all data in seconds

All information needed for method execution, result calculation and documentation as product name, article number, lot/batch no, concentration/assay, shelf life/expiry date are seamlessly transferred to the instrument. For standards additional data as molecular weight, supplier, uncertainty and compliance according to Pharmacopeias and ISO Guide 34 are also transmitted.

Previously opened chemicals are also recognized, the initial opening date is stored on the RFID tag and is shown on the touchscreen. Expired chemicals are automatically locked from use.

Benefits using SmartChemicals

- **Secure data transfer** – ensures complete and correct reagent & standard data in the titration software
- **Ease of use** – intuitive operation and convenient data transfer in one touch
- **Extended quality management** – titer determination, shelf life, compliance data, initial opening date
- **Improved efficiency** – fast data transfer and timesaving with no manual writing and no four-eyes principle necessary

Product List

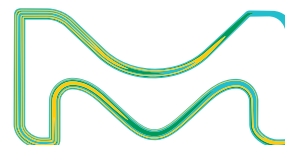
Description	Cat. No.
Titripur® Volumetric Solutions	
Perchloric acid in acetic acid 0.1 mol/L	EM1.09065.1003
Potassium hydroxide solution in ethanol 0.5 mol/L	EM1.09114.1003
Potassium hydroxide solution in ethanol 0.1 mol/L	EM1.09115.1003
Hydrochloric acid solution 0.1 mol/L	EM1.09060.1003
Sodium hydroxide solution 0.1 mol /L	EM1.09141.1003
Sodium hydroxide solution 1 mol/L	EM1.09137.1003
Certipur® Volumetric Standards (CRM´s)	
Potassium hydrogen phthalate – Certified Reference Material	EM1.02400.0083
TRIS(hydroxymethyl) aminomethane - Certified Reference Material	EM1.02408.0083
Aquastar® Karl Fischer Titrants	
CombiTitrant 5, Karl Fischer® one component reagents 5 mg H ₂ O/mL	EM1.88005.1003
Aquastar® Water Standards (CRM´s)	
Water Standard 1% in ampoules - Certified Reference Material	EM1.88052.0313



SmartChemicals are compatible with Mettler Toledo Titrators

G20S Compact Titrator
 G10S Compact Titrator
 V30S Compact Titrator
 V20S Compact Titrator
 V10S Compact Titrator
 T9 Excellence Titrator
 T7 Excellence Titrator
 T5 Excellence Titrator
 External SmartChemical Redaer

SmartChemicals – the future of titration
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