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| Quality control of disinfectants | |
| Simple titration methods to determine hydrogen peroxide, hypochlorite, and sodium chloride | |
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Herisau, July 3 2020.  
Frequent handwashing using water and soap and stringent use of disinfectants are fundamental in the ongoing fight to curb the spreading of the Corona virus. Our latest Application Notes describe titration methods for manufacturers of disinfectants to determine the concentration of key components in their product applying titration methods.

[Hydrogen peroxide content as per ASTM D2180](https://www.metrohm.com/en/applications/AN-T-025)

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| Peroxides are used for disinfection and water treatment purposes due to their antiseptic properties. Peroxides, perborates, and percarbonates can be easily determined by titration. [Our Application Note](https://www.metrohm.com/en/applications/AN-T-025) describes two titration methods for peroxide analysis: ASTM D2180 for concentrated hydrogen peroxide solutions, and a second method for trace determination of hydrogen peroxide, suitable for concentrations as low as 0.4 mg/L.  [Hypochlorite and sodium chloride in disinfectant](https://www.metrohm.com/en/applications/AN-T-217)  [Our Application Note](https://www.metrohm.com/en/applications/AN-T-217) describes a reliable method to determine the hypochlorite and sodium chloride content in disinfectants by two subsequent argentometric titrations in the concentration range recommended by the WHO (1000 mg/L to 5000 mg/L NaOCL, 200 g/L NaCl). | Hydrogen peroxide, hypochlorite, and sodium chloride in disinfectants |

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| ****Weblink:**** | news.metrohm.com |
| ****Keywords:**** | Disinfectants, titration, |
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About Metrohm  
Metrohm is one of the world’s most trusted manufacturers of high-precision instruments for laboratory and process analysis. The company was founded in 1943 by engineer Bertold Suhner in Herisau, Switzerland, where it is headquartered to this day. Metrohm offers a compre-hensive portfolio of analytical technologies ranging from titration and ion chromatography to near-infrared and Raman spectroscopy, as well as several other techniques. Metrohm sells its products and provides services through its own local subsidiaries and exclusive distribu-tors in more than 120 countries worldwide. Our mission in a nutshell is helping customers from virtually every industry analyze and maintain the quality of their products at every stage in the manufacturing process and beyond. Since 1982, Metrohm has been owned 100% by the non-profit Metrohm Foundation. This foundation keeps to its purpose to support charitable, philanthropic, and cultural projects in eastern Switzerland and, above all, ensure the independence of the company.

Contact

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| Roman Moser  Marketing Communication  Metrohm AG Herisau  +41 71 353 86 68 [roman.moser@metrohm.com](mailto:roman.moser@metrohm.com) |  |

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