



**Annex to the Partial Accreditation Certificate D-PL-14316-01-02**

Within the given testing field marked with \*, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the free choice of standard or equivalent testing methods. The listed testing methods are exemplary.

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

**1 Determination of Elements in drinking water using Atomic Absorption Spectrometry (GF-AAS, F-AAS, CVAAS) \***

AOAC 974.27 2005	Cadmium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Silver and Zinc in Water - Atomic Absorption Spectrophotometric Method
EPA 7473 2007-02	Determination of Mercury in solids and solutions by thermal decomposition, amalgamation and atomic absorption spectrophotometry, (Analysis carried out using a Mercury analyzer)
SM 3111 B 2017	Metals by flame atomic absorption spectrometry part B: Direct Air-Acetylene Flame Method

**2 Determination of Ingredients in drinking water using Gravimetry \***

SM 2540 C 2017	Solids part C: Total Dissolved Solids Dried at 180°C
SM 2540 D 2017	Solids part D: Total Suspended Solids Dried at 103–105°C

**3 Determination of Elements in drinking water using inductive coupled plasma- optical emission spectroscopy (ICP-OES)**

SM 3120-B 2017	Metals by plasma emission spectroscopy. Part B: Inductively coupled plasma (ICP) method
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**4 Cultural Microbiological Analysis of Bacteria in drinking water \***

ISO 6222 1999-05	Water quality - Enumeration of culturable micro-organisms - Colony count by inoculation in a nutrient agar culture medium
ISO 19250 2010-07	Water quality - Detection of Salmonella spp.
SM 22nd Edition Chapter 9222 B 2017 SM 9222 B 2017	Standard Methods for the Examination of Water and Wastewater Title: Membrane Filter Technique for Members of the Coliform Group
SM 22nd Edition Chapter 9222D 2017 SM 9222 D 2017	Standard Methods for the Examination of Water and Wastewater - Thermotolerant (Fecal) Coliform Membrane Filter Procedure (Modification: <i>without Colilert-18</i> )

**5 Chemical Tests in drinking water**

AOAC 973.41 1st Act 1973:2005	pH of water
SM 2130 B 2017	Turbidity part B: Nephelometric Method
SM 2510 B 2017	Conductivity, part B: laboratory method
SM 4500 - NO2 B 2017	Nitrogen (Nitrite) part B: Colorimetric Method
SM 4500 - NO3 B 2017	Nitrogen (Nitrate) part B: Ultraviolet Spectrophotometric Screening Method
SM 4500 - CL B 2017	Chloride part B: Argentometric Method

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**Abbreviations used:**

AOAC	Association of Official Analytical Chemists
DD	Draft Document
DIN	German Institute of Standardization
EN	European Standards
EPA	Environmental Protection Agency
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
SM	Standard Methods For the Examination of Water and Wastewater™