

## ACCREDITATION CERTIFICATE

### No. LA.176-01

Lithuanian National Accreditation Bureau hereby certifies that

complies with the requirements of

**JSC “Vandens tyrimai”**

**LST EN ISO/IEC 17025:2018**

legal entity: UAB „Vandens tyrimai“  
legal entity code: 300569809

and is competent to perform:

**chemical tests of water, waste water, field-moist soil, soil, sludge and treated biowaste**

The scope of accreditation below is an integral part of this certificate. Locations of the conformity assessment body are specified in the scope of accreditation

Initial accreditation date: **2021-02-01**

Certificate issued / valid since: **2024-11-25**

Version of: **2025-04-15**

Expiry date: **2026-01-31**

Director



DALIA BALEŽENTĖ

The certificate may be changed, its validity suspended or withdrawn by the decision of the National Accreditation Bureau. Information on the actual data of accreditation certificates may be verified at [nab.lrv.lt](http://nab.lrv.lt)



**JSC “Vandens tyrimai”**, accredited in accordance with **LST EN ISO/IEC 17025:2018**

Location of the conformity assessment body

**Žirmūnų str. 106, LT-09121 Vilnius**

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)
Drinking, ground, surface water, waste water	Lithium, ammonium, calcium, magnesium, potassium, sodium content	LST EN ISO 14911:2000	Ion chromatography (IC) method
Drinking, ground, surface water, waste water	Chloride, fluoride, nitrate, nitrite, sulphate, orthophosphate, bromide content	LST EN ISO 10304-1:2009	Ion chromatography (IC) method
Surface water, waste water	Chemical oxygen demand (COD)	ISO 15705:2002, except cl.10.3	Spectrophotometric method
Drinking, ground, surface, pool water	Permanganate index	LST EN ISO 8467:2000	Titrimetric method
Drinking, ground, surface, pool water, waste water	pH value	LST EN ISO 10523:2012	Potentiometric method (electrochemistry)
Drinking, ground, surface water, waste water	Electrical conductivity	LST EN 27888:1999	Conductometric method (electrochemistry)
Surface water, waste water	Hydrocarbon oil	LST EN ISO 9377-2:2002	Gas chromatography (GC) method
Drinking, ground, surface, rain water, waste water	Mercury content	LST EN ISO 12846:2012, except cl. 6	Atomic absorption spectrometry (AAS) method
Drinking, ground, surface, rain water, waste water	Content of aluminium, arsenic, chromium, zinc, antimony, cadmium, copper, lead, manganese, molybdenum, nickel, selenium, vanadium, cobalt	LST EN ISO 15586:2004	Atomic absorption spectrometry (AAS) method
Drinking, surface, ground water, waste water	Content of phthalates: dimethyl phthalate, diethyl phthalate, dipropyl phthalate, diisobutyl phthalate, dibutyl phthalate, dicyclohexyl phthalate, di(2-ethylhexyl) phthalate	LST EN ISO 18856:2005	Gas chromatography/ mass spectrometry (GC-MS) method

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)
Surface, ground water	Bromate content	SVP 7.2-1:2019	Spectrophotometric method
Drinking, ground, surface water, waste water	Content of chloroform, bromodichloromethane, dibromochloromethane, bromoform, trichloroethene, tetrachloroethene, tetrachloromethane, 1,2-dichloroethane, benzene, toluene, ethyl benzene, o-, m-, p-xylene, 1,2,4-trimethylbenzene	ISO 20595:2018	Gas chromatography/ mass spectrometry (GC-MS) method
Drinking, ground, surface water, waste water	Content of hexachlorobenzene, $\alpha$ -hexachlorocyclohexane, $\gamma$ -hexachlorocyclohexane, $\beta$ -hexachlorocyclohexane, $\delta$ -hexachlorocyclohexane, heptachlor, aldrin, isodrin, trans-heptachlorepoxyde(A), cis-heptachlorepoxyde(B), dieldrin, endrin, 4,4'-methoxychlor	LST EN ISO 6468:2000	Gas chromatography (GC) method
Surface, ground water, waste water	Suspended solids	LST EN 872:2005	Gravimetric method
Drinking, ground, surface water	Iron (II), iron (total) content	SVP 7.2-3:2022	Spectrophotometric method
Drinking, ground, surface water, waste water	Boron content	SVP 7.2-2:2022	Spectrophotometric method
Drinking, ground, surface water, waste water	Orthophosphate and total phosphorus content	LST EN ISO 6878:2004, cl.4,7	Spectrophotometric method
Drinking, ground, surface water, waste water	Total and composite alkalinity, hydrogen carbonate content	LST EN ISO 9963-1:1999, except cl. 8.2	Potentiometric method (electrochemistry)
Drinking, ground, surface water, waste water	Biochemical oxygen demand (BOD)	LST EN ISO 5815-1:2019, except cl. 9.6.1	Potentiometric method (electrochemistry)
Drinking, ground, surface water	Colour	LST EN ISO 7887:2012, method C	Spectrophotometric method
Drinking, ground, surface water	Turbidity	LST EN ISO 7027-1:2016, except cl. 5.3	Turbidimetry
Surface, ground water, waste water	Naphthalene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, chrysene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene content	LST EN ISO 17993:2004	High performance liquid chromatography (HPLC) method
Surface, ground water, sea water, waste water, leachates	Total bound nitrogen Total organic carbon	LST EN ISO 20236:2025	High temperature catalytic oxidative combustion, IR spectrometry and chemiluminescence
Surface, ground water, waste water	Content of Benzene, toluene, ethyl benzene, o-, m-, p-xylene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene	US EPA 8015B:1996	Gas chromatography (GC) method

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)
Surface, ground water, waste water	Total and liberatable cyanide content	LST ISO 6703-1:1998, except cl. 3,4	Spectrophotometric method
Surface, ground water, waste water	Bisphenol A, 4-n-octylphenol, 4-tert-octylphenol, 4-n-nonylphenol, nonylphenol content	SVP 7.2-4:2023	Liquid chromatography/mass spectrometry (LC-MS) method
Field-moist soil, soil	Hydrocarbon oil	ISO 16703:2004	Gas chromatography (GC) method
Field-moist soil, soil, sludge, treated biowaste	Naphthalene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, chrysene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene content	ISO 13859:2014, except cl. 8.2, 10.6	High performance liquid chromatography (HPLC) method
Field-moist soil, soil	Content of arsenic	ISO 20280:2007, method A	Atomic absorption spectrometry (AAS) method
Field-moist soil, soil	Mercury content	ISO 16772:2004, except cl. 5.3, p.7.4.2	Atomic absorption spectrometry (AAS) method

Note. In case of any discrepancies, ambiguities or disputes regarding the subject matter content between the English and Lithuanian versions of the document, the Lithuanian version shall prevail.

The accreditation certificate is signed with a qualified electronic signature as an attachment to the order of the Director of the National Accreditation Bureau, by which it was approved