



*ASLAB Centre for Assessment of Laboratories
T. G. Masaryk Water Research Institute, public research institution
Praha 6, Podbabská 2582/30,
issues on the basis of successful assessment by team of independent auditors*

**CERTIFICATE ON CORRECT LABORATORY ACTIVITIES
No. 510**

Testing laboratory registered under the number 4121

**Biotechnologická laboratoř DEKONTA, a.s
Dřetovice 109, 273 42 Stehelčevy
Identification No 25006096
Led by Ing. Ljuba Zídková, Ph.D.**

*Laboratory is in compliance with international standard ČSN EN ISO/IEC 17 025:2018.
This accreditation demonstrates expertise for conducting of tests, specified in annex
and functionality of laboratory quality management.*

*Laboratory should use title "Laboratory accredited by ASLAB, Centre for Assessment
of Laboratories" accompanied by laboratory number in connection with methods
mentioned in annex of this certificate during the validity time of certificate only.*

This certificate is valid until
31. May 2025

Prague 28. May 2020

A blue ink signature of Ing. Tomáš Urban.

Ing. Tomáš Urban
director of VÚV TGM, v.v.i



A blue ink signature of Ing. Roman Dvořák.

Ing. Roman Dvořák
head of ASLAB

List of testing methods

accredited by Certificate on correct laboratory activities No. 451

accorded

Biotechnological laboratory
DEKONTA, a.s.
Dřetovice 109, 273 42 Stehelčevy

Number of method	Name of method	Method	Testing matrices
1	Determination of mesophilic bacteria	SOP 06.0.1 ČSN 75 7841	water, solid
2	Determination of psychrophilic bacteria	SOP 06.0.2 ČSN 75 7842	water, solid
3	Determination of culturable microorganisms at 22°C and 36°C in water	SOP 06.0.3 ČSN EN ISO 6222	water
4	Detection and enumeration of intestinal enterococci	SOP 06.0.4 ČSN EN ISO 7899 - 2	water
5	Determination of coliform bacteria, thermotolerant coliform bacteria and Escherichia coli	SOP 06.0.5 ČSN 75 7837	water
6	Determination of culturable heterotrophic bacteria at 30°C	SOP 06.0.6 unnormalized method	water, solid
7	Determination of non-polar extractable matters by IR spectrometric method	SOP 06.0.7 unnormalized method	water, solid
8	Determination of the inhibitory effect of water sample on the light emission of Vibrio fischeri (luminescent bacteria test)	SOP 06.0.12 ČSN EN ISO 11 348 - 2	water, solid
9	Determination of anaerobic culturable bacteria	SOP 06.0.18 unnormalized method	water, solid
10	Determination of Clostridium perfringens	SOP 06.0.19 Vyhl.MZ ČR č. 252/2004 Sb.	drinking, unrefined water
11	Determination of pH	SOP 06.0.21 ČSN ISO 10 523	water, solid
12	Determination of extractable matters by IR spectrometric method	SOP 06.0.22 ČSN 75 7506	water, solid
13	Determination of sulphate-reducing bacteria	SOP 06.0.28 unnormalized method	water
14	Determination of nitrate - spectrometric method	SOP 06.0.31 ČSN ISO 7890 - 3	water

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Number of method	Name of method	Method	Testing matrices
15	Detection and enumeration of intestinal enterococci in solid matrix	SOP 06.0.32 unnormalized method	solid
16	Determination of coliform bacteria, thermotolerant coliform bacteria and Escherichia coli in solid matrix	SOP 06.0.33 unnormalized method	solid
17	Determination of dry matter ^ř	SOP 06.0.34 ČSN ISO 11 465	solid
18	Determination of the chemical oxygen demand index - COD	SOP 06.0.35 ČSN ISO 15 705	water, solid
19	Determination of electrical conductivity	SOP 06.0.36 ČSN EN 27 888	water, solid
20	Determination of microorganisms degrading organic contaminant	SOP 06.0.37 unnormalized method	water, solid
21	Determination of nitrite - spectrometric method	SOP 06.0.40 ČSN EN 26777	water
22	Determination of ammonium -spectrometric method	SOP 06.0.41 ČSN ISO 7150 - 1	water
23	Determination of phosphorus -spectrometric method	SOP 06.0.42 ČSN EN ISO 6878	water
24	Guidance on sampling of drinking water and unrefined water used for drinking water processing	SOP 06.0.47 ČSN EN ISO 5667 - 1,3,14 ČSN ISO 5667 - 5 ČSN EN ISO 19458	drinking, unrefined water
25	Determination of free chlorine and total chlorine in drinking and unrefined water	SOP 06.0.48 ČSN ISO 7393 - 2	drinking, unrefined water
26	Determination of smell and sense of taste – orientational analysis	SOP 06.0.49 TNV 75 7340	drinking, unrefined water
27	Determination of element content	SOP 06.0.50 unnormalized method	solid
28	Measurement by Raman spectrometer	SOP 06.0.51 unnormalized method	water, solid
29	Determination of Escherichia coli and coliform bacteria	SOP 06.0.52 ČSN EN ISO 9308 - 1	drinking, unrefined water
30	Determination and enumeration of Salmonella	SOP 06.0.53 AHM 1/2008	solid
31	Determination of transparency	SOP 06.0.54 unnormalized method	drinking, bath and swimming pool water
32	Determination and enumeration of coagulase-positive Staphylococci	SOP 06.0.55 ČSN EN ISO 6888 - 1	water, solid
33	Determination and enumeration of Pseudomonas aeruginosa	SOP 06.0.56 ČSN EN ISO 16266	Drinking and swimming pool water

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Number of method	Name of method	Method	Testing matrices
34	Enumeration of Legionella	SOP 06.0.57 ČSN EN ISO 11 731	Swimming pool water and warm water by regulation n. 252/2014 Sb.
35	Guidance on sampling of bath and swimming pool water	SOP 06.0.60 ČSN EN ISO 5667 - 1,3,14 ČSN ISO 5667 - 4 ČSN EN ISO 19458 Vyhl. 238/2011 Sb.	Bath and swimming pool water
36	Respiration activity AT4	SOP 06.0.62 ÖNORM S 2027-4	solid

Annotation:

Water— drinking, surface, ground, waste

solid - soil, oil and other sludge, sediment or its leachate, compost or waste

solid* - land, biowaste, adjusted biowaste, sludge from WWTP, substrate, compost, sediment and other solid matrices

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Prague 28th May 2020

Středisko pro posuzování
způsobilosti laboratoří
Výzkumný ústav vodohospodářský T. G. Masaryka,
veřejná výzkumná instituce
Podbabská 30/2582, 160 62 Praha 6



Za správnost:

