

## ACCREDITATION CERTIFICATE

### No. LA.01.138

Lithuanian National Accreditation Bureau hereby certifies that

complies with the requirements of

**National public health surveillance laboratory LST EN ISO/IEC 17025:2018**

legal entity code: 195551983

and is accredited to perform:

**physical-chemical environmental and food tests, microbiological environmental and food tests and physical factors research**

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: **2015-02-20**

Certificate issued / valid since: **2024-02-23**

Version of: **2024-02-23**

Expiry date: **2025-02-13**

Director



DÁLIA BALEŽENTĒ

The certificate may be changed, its validity suspended or withdrawn by the decision of the National Accreditation Bureau.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.lv.lt





**SCOPE OF ACREDITATION**  
(flexible)\*

**National public health surveillance laboratory**, accredited in accordance with **LST EN ISO/IEC 17025:2018**

Locations of the conformity assessment body

**Zolyno str. 36, Vilnius**  
**Studentu str. 45A, Vilnius**  
**Ausros str. 44, Kaunas**  
**Bijunu str. 6, Klaipeda**  
**Dubijos str. 40, Siauliai**

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)
<b>CHEMICAL TESTING</b>			
<b>Chemical testing division, Zolyno str. 36, Vilnius</b>			
Materials and articles in contact with foodstuffs: plastics	Copper, iron, lithium, manganese, zinc content	CHS-SVP-131	Atomic absorption spectrometry (AAS) method
	Overall migration into 3 % acetic acid	LST EN 1186-3, except cl. 4.1.3; 4.1.4; 4.4.2.2; 4.4.2.3; 4.5.3; 4.5.4	Gravimetric method
	Overall migration into ethanol		
	Overall migration into isooctane		
	Overall migration into 95 % ethanol		
	Formaldehyde content (in 3 % acetic acid)	LST GEN/TS 13130-23, except cl. 6.1.2.1, 6.1.3, 6.3.2, 9.4.1.1.	Spectrophotometric method
Materials and articles in contact with foodstuffs: ceramic ware	Lead, cadmium content	LST EN 1388-1, except cl. 10.1	Atomic absorption spectrometry (AAS) 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)
Materials and articles in contact with foodstuffs: silicate surfaces other than ceramic ware	Lead, cadmium content	LST EN 1388-2, except cl. 10.3	Atomic absorption spectrometry (AAS) method
Materials and articles in contact with foodstuffs: paper and cardboard	Lead, cadmium content	LST EN 12498	Atomic absorption spectrometry (AAS) method
Materials and articles in contact with foodstuffs: polymeric coatings on metal substrates	Overall migration into 3 % acetic acid	LST CEN/TS 14235, except cl. 6.4, 7.1.7, 9.4, 9.5, 10.	Gravimetric method
	Overall migration into isooctane		
	Overall migration into 95 % ethanol		
Water: drinking, underground	Dry residue at 180 °C temperature	CHS-SVP-112	Gravimetric method
	Turbidity	LST EN ISO 7027-1, except cl. 5.4	Nephelometric method
	Permanganate index	LST EN ISO 8467	Titrimetric method
	Colour	LST EN ISO 7887, method C	Spectrophotometric method
	Cyanide (total) content	LST ISO 6703-1, cl. 2	Spectrophotometric method
Water: underground, pool	Turbidity	CHS-SVP-128	Spectrophotometric method
Water: surface, underground, waste	Suspended solids	LST EN 872	Gravimetric method
Water: drinking, underground, surface, pool, waste, other water	pH value	LST EN ISO 10523, except cl. 8	Potentiometric method
	Ammonium content	LST ISO 7150-1	Spectrophotometric method
	Free chlorine content	LST EN ISO 7393-2, except cl. 9.5	Spectrophotometric method
Water: drinking, underground, surface, waste	Electrical conductivity	LST EN 27888	Conductometric method
	Nitrogen content	LST EN ISO 11905-1, except cl. 9.6-9.9	Spectrophotometric method
	Kjeldahl nitrogen content	LST EN 25663, except cl. 11	Kjeldahl method, Titrimetric method
	Anionic surfactants content	LST EN 903, except cl. 7.1	Spectrophotometric method
	Biochemical oxygen demand (BOD)	LST EN ISO 5815-1, except cl. 9.6.1; LST EN 1899-2, except cl. 7.2.1	Potentiometric method
	Chemical oxygen demand (COD)	LST ISO 6060	Titrimetric method
	Chloride content	LST ISO 9297	Titrimetric method
	Dissolved oxygen content	LST EN ISO 5814, except cl. 7.1	Potentiometric 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)
	Orthophosphate and total phosphorus content	LST EN ISO 6878, cl. 4, 7	Spectrophotometric method
	Nitrite content	LST EN 26777	Spectrophotometric method
	Nitrate content	LST ISO 7890-3	Spectrophotometric method
	Nitrate content	CHS-SVP-19	Spectrophotometric method
	Grease content	CHS-SVP-124	The Soxhlet method, Gravimetric method
Water: drinking, underground, surface	Boron content	LST ISO 9390	Spectrophotometric method
Water: drinking, surface, underground	Total alkalinity, Composite alkalinity, Bicarbonate content	LST EN ISO 9963-1, except cl. 8.1	Titrimetric method
	Iron (total) content	LST ISO 6332, except cl. 7.1.2, 7.2, 7.3	Spectrophotometric method
	Fluoride content	LST ISO 10359-1	Potentiometric method
	Calcium content	LST ISO 6058	Titrimetric method
	Magnesium content	LST ISO 6059	Calculation method
	Total hardness (the sum of calcium and magnesium)	LST ISO 6059	Titrimetric method
	Sodium content	LST ISO 9964-1	Atomic absorption spectrometry (AAS) method
Water: drinking, surface, underground, waste	Copper, zinc content	LST ISO 8288, A method	Atomic absorption spectrometry (AAS) method
	Content of arsenic, lead, cadmium, aluminium, manganese, nickel, selenium, antimony, chromium	LST EN ISO 15586, except cl. 10.2	Atomic absorption spectrometry (AAS) method
Water: drinking, surface, underground,	Chloride, nitrate, sulphate content	LST EN ISO 10304-1	Ion chromatography (IC) method
Water: drinking, surface, underground, pool, waste	Trihalomethanes total, chloroform, bromodichloromethane, dibromochloromethane, bromoform content	LST EN ISO 10301, except cl. 2.7.2 and 3.	Gas chromatography (GC) method
	Trichloroethene and tetrachloroethene sum, trichloroethene, tetrachloroethene content		

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)
Meat and meat products	Nitrogen content	LST ISO 937	Kjeldahl method, Titrimetric method
	Protein content	LST ISO 937, Regulation of the European Parliament and of the Council (EU) No. 1169/2011, I annex cl. 10	Kjeldahl method, Titrimetric method. Calculation method. The nitrogen content obtained by the Kjeldahl method is multiplied by the factor 6.25
	Moisture content	LST ISO 1442	Gravimetric method
	Ash content	LST ISO 936	Gravimetric method
	Fat content	LST ISO 1443	The Soxhlet method, Gravimetric method
Food products and dishes	Fat content	CHS-SVP-147	The Soxhlet method, Gravimetric method
	Protein content /Nitrogen content	CHS-SVP-148	Kjeldahl method, Titrimetric method
	Ash content	CHS-SVP-149	Gravimetric method
	Moisture content/ Dry matter content	CHS-SVP-150	Gravimetric method
Food products and dishes	Carbohydrate content, Energy value	CHS-SVP-151	Calculation method
Air: workplace	Dust (particulate matter), dust (inhalable and respirable fraction) content	CHT-SVP-2, except ch. IX	Gravimetric method
	Welding aerosols content	CHT-SVP-2, except ch. IX	Gravimetric method
Air: ambient, workplace and indoor	Dust (particulate matter) content	CHT-SVP-2, except ch. VIII	Gravimetric method
Air: ambient, workplace and indoor	Odour concentration	LST EN 13725, except cl. 5.3.2, 7.3.3, 9.1.3.3, 9.1.3.4, 9.1.3.5, 9.4.1.3, 10.2.2.3	Olfactometric method
	Ammonia content	CHS-SVP-74	Spectrophotometric method
	Nitric oxide, nitrogen dioxide content	CHS-SVP-75	Spectrophotometric method
	Formaldehyde content	CHS-SVP-88	Spectrophotometric method
	Hydrogen sulphide content	CHS-SVP-99	Spectrophotometric method
	Asbestos and other inorganic fibres content	ISO 8672	Phase contrast optical microscopy method
	Sludge, treated bio-waste, soil	pH value	ISO 10390, except ch. 5.3

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)
Sludge, treated bio-waste, soil, waste	Dry matter content /Moisture content	LST EN 15934, method A	Gravimetric method
	Loss of ignition (organic matter) content	LST EN 15935	Gravimetric method
<b>Kaunas department, Chemistry subsection, Kaunas, Ausros str. 44</b>			
Water: drinking, underground, surface, pool	Ammonium content	LST ISO 7150-1	Spectrophotometric method
	pH value	LST EN ISO 10523, except cl. 8	Potentiometric method
	Turbidity	CHP-K-SVP-1	Spectrophotometric method
Water: drinking, underground, surface	Nitrite content	LST EN 26777	Spectrophotometric method
	Nitrate content	LST ISO 7890-3	Spectrophotometric method
	Iron (total) content	LST ISO 6332, except cl. 7.1.2, 7.2, 7.3	Spectrophotometric method
	Manganese content	LST ISO 6333	Spectrophotometric method
	Chloride content	LST ISO 9297	Titrimetric method
	Electrical conductivity	LST EN 27888	Conductometric method
	Total hardness (the sum of calcium and magnesium). Magnesium content.	LST ISO 6059	Titrimetric method
Water: drinking, underground	Calcium content	LST ISO 6058	Titrimetric method
	Sulphate content	CHP-K-SVP-2	Spectrophotometric method
Water: drinking, underground, pool	Permanganate index	LST EN ISO 8467	Titrimetric method
	Free and total chlorine content	LST EN ISO 7393-1	Titrimetric method
Air: workplace	Welding aerosols content	CHT-SVP-2, except ch. IX	Gravimetric method
	Dust (particulate matter), dust (inhalable and respirable fraction) content		
Air: ambient and indoor	Dust (particulate matter) content	CHT-SVP-2, except ch. VIII	Gravimetric method
<b>Siauliai department, Chemistry subsection, Siauliai, Dubijos str. 40</b>			
Water: drinking, underground, surface, pool	Permanganate index	LST EN ISO 8467	Titrimetric method
	Ammonium content	LST ISO 7150-1	Spectrophotometric 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)
	Nitrite content	LST EN 26777	Spectrophotometric method
	Nitrate content	CHP-S-SVP-1	Spectrophotometric method
	Colour	LST EN ISO 7887, method C	Spectrophotometric method
	Iron (total) content	LST ISO 6332, except cl. 7.1.2, 7.2, 7.3.	Spectrophotometric method
	pH value	LST EN ISO 10523, except cl. 8.	Potentiometric method
	Electrical conductivity	LST EN 27888	Conductometric method
Beer	Determination of alcohol content, real and original extract	LST 1572	Gravimetric method
Wort and beer	Colour	LST 1490	Spectrophotometric method
Meat and meat products	Moisture content	LST ISO 1442	Gravimetric method
	Fat content	LST ISO 1443	Soxhlet, gravimetric method
	Nitrogen content	LST ISO 937	Kjeldahl method, Titrimetric method
	Protein content	LST ISO 937, Regulation of the European Parliament and of the Council (EU) No. 1169, I annex cl. 10	Kjeldahl method, Titrimetric method. Calculation method. The nitrogen content obtained by the Kjeldahl method is multiplied by the factor 6.25.
	Ash content	LST ISO 936, except cl. 9.2	Gravimetric method

## MICROBIOLOGICAL TESTING

### Microbiological testing division, Zolyno str. 36, Vilnius

Water from water supply, borehole water, mineral water, water closed in containers (bottled), well water	Enumeration of culturable micro-organisms	LST EN ISO 6222	Enumeration method. Pour plate technique
Water from water supply, borehole water, well water, spring water, mineral water, water closed in containers (bottled)	Enumeration of intestinal enterococci	LST EN ISO 7899-2	Enumeration method. Membrane filtration principle
Water from water supply, borehole water, well water, spring water, mineral water, water closed in containers (bottled), pool water	Enumeration of <i>Escherichia coli</i> ; Enumeration of coliforms	LST EN ISO 9308-1	Enumeration method. Membrane filtration principle
Water from water supply, borehole water, well water, spring water,	Most probable number of <i>Escherichia coli</i> ;	LST EN ISO 9308-2	Enumeration method. Most probable number principle

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)
mineral water, water closed in containers (bottled), pool water, swimming holes and open waters.	Most probable number of coliform bacteria		
Mineral water, water closed in containers (bottled), pool water	Enumeration of <i>Pseudomonas aeruginosa</i>	LST EN ISO 16266	Enumeration method. Membrane filtration principle
Mineral water	Enumeration of the spores of sulphite-reducing anaerobes (Clostridia)	LST EN 26461-2	Enumeration method. Membrane filtration principle
Bathing water, pool water, water from water supply, well water	Detection of <i>Salmonella spp.</i>	LST EN ISO 19250	Detection method. Enrichment and surface inoculation principles
Pool water, water from hydrotherapy, mineral water baths	Enumeration of <i>Staphylococcus aureus</i>	M-VMP-SVP-23	Enumeration method. Membrane filtration principle
Chemical disinfectants and antiseptics	Evaluation of bactericidal activity (using <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> )	LST EN 1040	Enumeration method. Membrane filtration principle
Chemical disinfectants and antiseptics, except for medicine	Evaluation of fungicidal or yeasticidal activity (using <i>Aspergillus brasiliensis</i> or <i>Candida albicans</i> )	LST EN 1650	Enumeration method. Membrane filtration principle Research conditions: contact time 15 minutes, at 20 °C temperature
Sterile medical devices in definition, validation and maintenance of a sterilization process	Sterility	LST EN ISO 11737-2	Method for determination of sterility 1. Inoculation into a liquid medium principle 2. Swab method inoculation into a liquid medium principle 3. Membrane filtration and placing of the membrane filter into liquid medium principle
Sterile pharmaceutical products	Sterility	M-NTP-SVP-1	Method for determination of sterility. 1. Inoculation into a liquid medium principle 2. Membrane filtration and placing of the membrane filter into liquid medium principle
Non-sterile pharmaceutical products	The total aerobic microbial count;	M-NTP-SVP-2	Enumeration methods. 1. Pour plate technique 2. Membrane filtration principle
	Yeast and moulds count;		Enumeration methods.



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)
	Detection of bile-tolerant gram-negative bacteria;		1. Surface inoculation principle 2. Membrane filtration Principle
	Probable number of bile-tolerant gram-negative bacteria;		Enumeration method. Probable number principle
	Detection of <i>Escherichia coli</i> ;		Detection method. Enrichment and surface inoculation principles
	Probable number of <i>Escherichia coli</i> ;		Enumeration method. Probable number principle
	Detection of <i>Salmonella</i> spp. 10 g/ml;		Detection method. Enrichment and surface inoculation principles
	Detection of <i>Salmonella</i> spp. 25 g/ml;		Detection method. Enrichment and surface inoculation principles
	Detection of <i>Pseudomonas aeruginosa</i> ;		Detection method. Enrichment and surface inoculation principles
	Detection of <i>Staphylococcus aureus</i>		Detection method. Enrichment and surface inoculation principles
Air	The total aerobic microbial count; Yeast and moulds count; Enumeration of <i>Candida albicans</i> ; Enumeration of bile-tolerant gram-negative bacteria; Enumeration of <i>Escherichia coli</i> ; Enumeration of <i>Pseudomonas aeruginosa</i> ; Enumeration of <i>Staphylococcus aureus</i> ;	M-NTP-SVP-5	Enumeration methods. 1. Sedimentation principle 2. Aspiration principle

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)
	Enumeration of coagulase negative staphylococcus species.		
Swabs taken from surfaces not associated with food	The total aerobic microbial count;	M-NTP-SVP-6	Enumeration methods. 1. Pour plate technique 2. Contact plate principle
	Enumeration of yeast and moulds;		Enumeration methods. 1. Surface inoculation principle 2. Contact plate principle
	Detection of yeast and moulds;		Detection method. Enrichment and surface inoculation principles
	Detection of bile-tolerant gram-negative bacteria;		Detection method. Enrichment and surface inoculation principles
	Enumeration of <i>Escherichia coli</i> ;		Detection method. Enrichment and surface inoculation principles
	Enumeration of <i>Pseudomonas aeruginosa</i> ;		Detection method. Enrichment and surface inoculation principles
	Enumeration of <i>Staphylococcus aureus</i> ;		Detection method. Enrichment and surface inoculation principles
	Enumeration of coagulase negative staphylococcus species;		Detection method. Enrichment and surface inoculation principles
	Sterility;		Method for determination of sterility. Inoculation into a liquid medium principle
	Detection of coliform bacteria;		Detection method. Inoculation into a liquid medium principle
	Detection of intestinal enterococci		Detection method. Enrichment and surface inoculation principles
Biological indicators for autoclaves control evaluation	Detection of <i>Bacillus atrophaeus</i> spores;	M-NTP-SVP-3	Detection method. Enrichment into a liquid medium principle

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)
	Detection of <i>Geobacillus stearothermophilus</i> spores		
Biological indicators for autoclaves control evaluation	Detection of viable spores of <i>Bacillus atrophaeus</i> ; Detection of viable spores of <i>Geobacillus stearothermophilus</i>	M-NTP-SVP-4	Enumeration method. Pour plate technique
Non-sterile respiratory system and their parts	The total number of microorganisms	M-NTP-SVP-13	Enumeration method. Membrane filtration principle
Therapeutic mud	The total number of microorganisms;	M-NTP-SVP-12	Enumeration method. Pour plate technique
	Detection of <i>Escherichia coli</i> ;		Detection method. Enrichment and surface inoculation principles
	Detection of <i>Staphylococcus aureus</i> ;		Detection method. Enrichment and surface inoculation principles
	Detection of <i>Pseudomonas aeruginosa</i> ;		Detection method. Enrichment and surface inoculation principles
	Detection of sulphite-reducing clostridia;		Detection method. Enrichment principle and pour plate technique
	Detection of <i>Salmonella spp.</i> 25 g/ml		Detection method. Enrichment and surface inoculation principles
Cosmetics	Enumeration of aerobic mesophilic bacteria; Detection of aerobic mesophilic bacteria	LST EN ISO 21149	Enumeration method. Pour plate technique Detection method. Pour plate technique
Cosmetics	Detection of <i>Escherichia coli</i>	LST EN ISO 21150	Detection method. Enrichment and surface inoculation principles
Cosmetics	Detection of <i>Pseudomonas aeruginosa</i>	LST EN ISO 22717	Detection method. Enrichment and surface inoculation principles
Cosmetics	Detection of <i>Staphylococcus aureus</i>	LST EN ISO 22718	Detection method. Enrichment and surface inoculation principles
Cosmetics	Detection of <i>Candida albicans</i>	LST EN ISO 18416	Detection method. Enrichment and surface inoculation principles
Food	Detection of coliforms	LST ISO 4831	Detection method. Inoculation into a liquid medium principle

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)
Food	Most probable number of coliforms		Enumeration method. Most probable number principle
Food	Enumeration of coliforms	LST ISO 4832	Enumeration method. Pour plate technique
Food	Enumeration of microorganisms or Aerobic colony count	LST EN ISO 4833-1	Enumeration method. Pour plate technique
Food	Detection of <i>Salmonella spp.</i>	LST EN ISO 6579-1	Detection method. Enrichment and surface inoculation principles
Food	Enumeration of mesophilic lactic acid bacteria	LST ISO 15214	Enumeration method. Pour plate technique
Food	Detection of presumptive <i>Escherichia coli</i>	LST ISO 7251	Detection method. Inoculation into a liquid medium principle
	Most probable number of presumptive <i>Escherichia coli</i>		Enumeration method. Most probable number principle
Food	Enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species)	LST EN ISO 6888-1	Enumeration method. Surface inoculation principle
Food	Enumeration of presumptive <i>Bacillus cereus</i>	LST EN ISO 7932	Enumeration method. Surface inoculation principle
Food	Enumeration of $\beta$ -glucuronidase-positive <i>Escherichia coli</i>	LST ISO 16649-2	Enumeration method. Pour plate technique
Food	Detection of <i>Listeria monocytogenes</i>	LST EN ISO 11290-1	Detection method. Enrichment and surface inoculation principles
Food products with water activity less than or equal to 0,95	Enumeration of yeast and moulds	LST ISO 21527-2	Enumeration method. Surface inoculation principle

**Kaunas department, Microbiology subsection, Kaunas, Ausros str. 44**

Water from water supply, borehole water, mineral water, water closed in containers (bottled), well water	Enumeration of culturable micro-organisms	LST EN ISO 6222	Enumeration method. Pour plate technique
Drinking water: water from water supply, borehole water, well water, spring water, mineral water, water closed in containers (bottled)	Enumeration of <i>Escherichia coli</i> ; Enumeration of coliforms	LST EN ISO 9308-1	Enumeration method. Membrane filtration principle
Water from water supply, borehole water, well water, spring water, mineral water, water closed in containers (bottled)	Enumeration of intestinal enterococci	LST EN ISO 7899-2	Enumeration method. Membrane filtration principle

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)
Mineral water, water closed in containers (bottled), pool water.	Enumeration of <i>Pseudomonas aeruginosa</i>	LST EN ISO 16266	Enumeration method. Membrane filtration principle
Pool water	Enumeration of <i>Staphylococcus aureus</i>	MP-K-SVP-1	Enumeration method. Membrane filtration principle
Healing mud, soil, compost, biohumus, sludge	Enumeration of <i>Escherichia coli</i> ;	MP-K-SVP-4	Enumeration method. Pour plate technique
	Detection of <i>Salmonella spp.</i>		Detection method. Enrichment and surface inoculation principles
	Enumeration of sulphite-reducing clostridia.		Enumeration method. Pour plate technique
Sterile pharmaceutical products	Sterility	MP-K-SVP-10	Method for determination of sterility. Inoculation into a liquid medium principle
Non-sterile pharmaceutical products	The total aerobic microbial count	MP-K-SVP-9	Enumeration method. Pour plate technique
Food	Enumeration of coliforms	LST ISO 4832	Enumeration method. Pour plate technique
Food	Enumeration of microorganisms or Aerobic colony count	LST EN ISO 4833-1	Enumeration method. Pour plate technique
Food	Detection of <i>Salmonella spp.</i>	LST EN ISO 6579-1	Detection method. Enrichment and surface inoculation principles
Food	Enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species)	LST EN ISO 6888-1	Enumeration method. Surface inoculation principle
Food	Enumeration of presumptive <i>Bacillus cereus</i>	LST EN ISO 7932	Enumeration method. Surface inoculation principle
Food	Enumeration of $\beta$ -glucuronidase-positive <i>Escherichia coli</i>	LST ISO 16649-2	Enumeration method. Pour plate technique
<b>Klaipeda department, Microbiology subsection, Klaipeda, Bijunu str. 6</b>			
Drinking water, well water, borehole water, water from water supply, spring water, pool water, water closed in containers (bottled) mineral water.	Enumeration of culturable micro-organisms	LST EN ISO 6222	Enumeration method. Pour plate technique
	Enumeration of intestinal enterococci	LST EN ISO 7899-2	Enumeration method. Membrane filtration principle
	Enumeration of <i>Pseudomonas aeruginosa</i>	LST EN ISO 16266	Enumeration method. Membrane filtration principle
Borehole water, water from water supply, well water, pool water,	Enumeration of <i>Escherichia coli</i> ; Enumeration of coliforms	LST EN ISO 9308-1	Enumeration method. Membrane filtration principle

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 water, water closed in containers (bottled) mineral water.			
Bathing water, water from water supply, borehole water, well water, spring water, mineral water, water closed in containers (bottled), pool water	Detection of <i>Salmonella</i> spp.	LST EN ISO 19250	Detection method. Enrichment and surface inoculation principles
Pool water	Enumeration of <i>Staphylococcus aureus</i>	MP-KL-SVP-1	Enumeration method. Membrane filtration principle
Food	Enumeration of microorganisms or Aerobic colony count	LST EN ISO 4833-1	Enumeration method. Pour plate technique
Food	Detection of coliforms	LST ISO 4831	Detection method. Inoculation into a liquid medium principle
	Most probable number of coliforms		Enumeration method. Most probable number principle
Food	Enumeration of coliforms	LST ISO 4832	Enumeration method. Pour plate technique
Food	Enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species)	LST EN ISO 6888-1	Enumeration method. Surface inoculation principle
Food	Most probable number of presumptive <i>Escherichia coli</i>	LST ISO 7251	Enumeration method. Most probable number principle
	Detection of <i>Escherichia coli</i>		Detection method. Inoculation into a liquid medium principle
Food	Enumeration of $\beta$ -glucuronidase-positive <i>Escherichia coli</i>	LST ISO 16649-2	Enumeration method. Pour plate technique
Food and feed	Detection of <i>Salmonella</i> spp.	LST EN ISO 6579-1	Detection method. Enrichment and surface inoculation principles
Food	Detection of <i>Listeria monocytogenes</i>	LST EN ISO 11290-1	Detection method. Enrichment and surface inoculation principles
Food	Enumeration of presumptive <i>Bacillus cereus</i>	LST EN ISO 7932	Enumeration method. Surface inoculation principle
Food	Enumeration of mesophilic lactic acid bacteria	LST ISO 15214	Enumeration method. Pour plate technique
Food products with water activity less than or equal to 0,95	Enumeration of yeast and moulds	LST ISO 21527-1	Enumeration method. Surface inoculation principle
Meat and meat products	Detection of presumptive <i>Pseudomonas</i> spp.	LST EN ISO 13720	Enumeration method. Surface inoculation principle

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)
Food	Enumeration of aerobic mesophilic microorganisms spores; Enumeration of aerobic thermophilic microorganisms spores.	MP-KL-SVP-2	Enumeration method. Pour plate technique
Food	Enumeration of anaerobic mesophilic microorganisms spores	MP-KL-SVP-3	Enumeration method. Pour plate technique
Food	Enumeration of <i>Enterobacteriaceae</i>	LST EN ISO 21528-2	Enumeration method. Pour plate technique
<b>Siauliai department, Microbiology subsection, Siauliai, Dubijos str. 40</b>			
Pool water	Enumeration of <i>Staphylococcus aureus</i>	MP-S-SVP-1	Enumeration method. Membrane filtration principle
Water from water supply, borehole water, well water, mineral water, water closed in containers (bottled)	Enumeration of culturable microorganisms	LST EN ISO 6222	Enumeration method. Pour plate technique
Water from water supply, borehole water, well water, spring water, mineral water, water closed in containers(bottled)	Enumeration of intestinal enterococci	LST EN ISO 7899-2	Enumeration method. Membrane filtration principle
Mineral water, water closed in, containers (bottled), pool water	Enumeration of <i>Pseudomonas aeruginosa</i>	LST EN ISO 16266	Enumeration method. Membrane filtration principle
Water from water supply, borehole water, well water, spring water, mineral water, water closed in containers (bottled)	Enumeration of coliforms  Enumeration of <i>Escherichia coli</i> ;	LST EN ISO 9308-1	Enumeration method. Membrane filtration principle
Bathing water, water from water supply, borehole water, well water, pool water, spring water, mineral water, water closed in containers (bottled)	Detection of <i>Salmonella spp.</i>	LST EN ISO 19250	Detection method. Enrichment and surface inoculation principles
Food, food products manufacturer and handling areas environmental samples	Detection of <i>Listeria monocytogenes</i>	LST EN ISO 11290-1	Detection method. Enrichment and surface inoculation principles
Food	Enumeration of <i>Listeria monocytogenes</i>	LST EN ISO 11290-2	Enumeration method. Surface inoculation principle
Food	Enumeration of <i>Enterobacteriaceae</i>	LST EN ISO 21528-2	Enumeration method. Pour plate technique

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)
Food	Enumeration of microorganisms or Aerobic colony count	LST EN ISO 4833-1	Enumeration method. Pour plate technique
Food	Detection of <i>Salmonella</i> spp.	LST EN ISO 6579-1	Detection method. Enrichment and surface inoculation principles
Food	Enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species)	LST EN ISO 6888-1	Enumeration method. Surface inoculation principle
Food	Enumeration of presumptive <i>Bacillus cereus</i>	LST EN ISO 7932	Enumeration method. Surface inoculation principle
Food	Enumeration of $\beta$ -glucuronidase-positive <i>Escherichia coli</i>	LST ISO 16649-2	Enumeration method. Pour plate technique
Food products with water activity less than or equal to 0,95	Enumeration of yeast and (or) moulds	LST ISO 21527-2	Enumeration method. Surface inoculation principle
Food	Most probable number of coliforms	LST ISO 4831	Enumeration method. Most probable number principle

## TESTS OF PHYSICAL FACTORS

### Physical Factors Research subsection,

Studentu str. 45A, Vilnius  
 Ausros str. 44, Kaunas  
 Bijunu str. 6, Klaipeda  
 Dubijos str. 40, Siauliai

Workplace lighting	Artificial light indoors and outdoors: - lighting level	HN 98 FT-SVP-2	Natural measurements
	Natural light indoors: - natural lighting coefficient	HN 98 FT-SVP-3	Calculation based of natural measurement results
Workplace acoustic noise	Acoustic noise: - noise exposure level normalized to an 8 h working day; - daily operating noise (exposure) level for the work operation; - peak sound pressure level.	LST EN ISO 9612	Engineering calculation based on the results of natural measurements for work tasks (1 strategy)
Workplace vibration	Hand - arm vibration: -total value of 8 h daily operation;	LST EN ISO 5349-1; LST EN ISO 5349-2;	Engineering calculation based on the results of natural measurements



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)
	- total value of daily operations for the work operation; - root mean square values of the weighted acceleration according to the directions of action.		
	Whole-body vibration: -total value of 8 h daily operation; - total value of daily operations for the work operation; - root mean square values of the weighted acceleration according to the directions of action.	LST ISO 2631-1 LST EN 14253	Engineering calculation based on the results of natural measurements
Workplace microclimate	- air temperature; - relative air humidity; - air speed	HN 69 FT-SVP-9	Natural measurements
Workplace Electromagnetic fields	Electromagnetic field in 5 Hz – 400 kHz frequency range: - electric field strength; - magnetic flux density	FT-SVP-6	Natural broadband measurements
	Electromagnetic field in 0 Hz – 300 GHz frequency range: - electric field strength; - magnetic field strength; - magnetic flux density; - power flux density.	LST EN 50413	Natural broadband measurements in object usage environment
Solariums	Ultraviolet radiation: effective irradiance	HN 71 FT-SVP-11	Natural measurements during normal operation of the object
Acoustic noise in residential and public environments	Acoustics noise: - equivalent continuous sound pressure level; - maximum sound pressure level; - exposure sound level; - spectrum in 1/1 and 1 /3 octave bands.	LST ISO 1996-1 LST ISO 1996-2	Engineering calculation based on the results of short-term natural measurements
Service equipment in buildings	Acoustics noise: - maximum sound pressure level;	LST EN ISO 16032	Engineering calculation based on natural measurements of instantaneous maximum sound level

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)
	- equivalent continuous sound pressure level; - sound pressure levels in 1/1 and 1 /3 octave bands.		
Microclimate in residential and public premises	- air temperature; - relative air humidity; - air speed	HN 42 FT-SVP-9	Natural measurements
Electromagnetic fields in residential environment	Electromagnetic field in 10 kHz – 300 GHz frequency range: - electric field strength; - magnetic field strength; - magnetic flux density; - power flux density.	HN 80 FT-SVP-15	Natural broadband measurements
Electromagnetic fields in residential and public premises and environment	50 Hz electromagnetic field: - electric field strength; - magnetic field strength; - magnetic flux density.	HN 104	Natural measurements

\* One degree of flexibility is defined and applicable for the whole accreditation scope:  
- application of the updated documents of test methods already covered by accreditation or superseding them or application of equivalent documents.

Actual accreditation scope is published on the website at <http://www.nvspl.lt>

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.

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