


SCOPE OF ACCREDITATION FOR TESTING LABORATORY No AB 918

issued by
POLSKIE CENTRUM AKREDYTACJI
01-382 Warszawa, ul. Szczotkarska 42

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 <p>AB 918</p>	<p>Name and address</p> <p>WESSLING POLSKA Sp. z o.o. ul. Biskupińska 14 30-732 Kraków</p>
<p>Identification code ¹⁾</p>	<p>Field of testing and item:</p>
<ul style="list-style-type: none"> - B22, B/55, B57 - C/5/P - C/55 - C/28/P, C/30/P, C/31/P, C/32/P - C/36/P - C/29/P - C1 - C/31 - C/22 - G/36 - K/22, K/55 - K/28/P, K/29/P, K/57/P - M/13, M/58 - N/55 - N/31 - N/28/P, N/30/P, N/31/P, N/32/P, N/36/P - N/29/P - N/22 - P/9, P/36 	<ul style="list-style-type: none"> - Biological and biochemical tests of animal feedstuffs, food, objects from food production area - Chemical tests and sampling of building products, materials (aggregates) - Chemical tests of animal feedstuffs - Chemical tests and sampling of waste gases, water, sewage, soil, sediments, waste - Chemical tests and sampling of drinking water - Chemical tests of agricultural products - Chemical tests of rocks - Chemical tests of food - Tests concerning environmental engineering (environmental and climatic) – gases (waste gases) - Microbiological tests of animal feedstuffs, food - Microbiological tests and sampling of water, drinking water, objects from food production area - Other tests – automatic monitoring systems (AMS), machinery and devices - Tests of physical properties of animal feedstuffs - Tests of physical properties of ground - Tests of physical properties and sampling of waste gases, water, sewage, soil, sediments, waste - Tests of physical properties and sampling of drinking water - Tests of physical properties of food, - Sampling of air, waste gases

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¹⁾ The identification code according to the Annex to document DAB-07, available at PCA website www.pca.gov.pl

This document is an annex to accreditation certificate No. AB 918 of 09.07.2019
Accreditation cycle from 28.05.2020 to 09.06.2024

The status of accreditation and validity of the scope of accreditation can be confirmed at PCA website www.pca.gov.pl

WESSLING Polska Sp. z o.o. Emmissions Measurement Laboratory ul. Biskupińska 14, 30-732 Kraków		
Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Periodic testing of air emissions from stationary sources performed for the purposes of regulatory area		
Waste gases	Gas volume flow for dynamic pressures > 10 Pa Dynamic method Sampling for dust concentration determination	PN-Z-04030-7:1994
	Dust concentration Range: (0.001 – 100) g/m ³ Gravimetric method	
	Dust emissions (as calculated) Sampling for dust concentration determination	
	Dust concentration Range: (0.0005 – 0.05) g/m ³ Gravimetric method Dust emission (as calculated)	PN-EN 13284-1:2018-02
	Concentration of: CO ₂ , CO, NO, NO ₂ , SO ₂ Range: CO ₂ (1.2 – 20.0) % CO (3 – 2184) mg/m ³ NO (8 – 1234) mg/m ³ NO ₂ (8 – 103) mg/m ³ SO ₂ (9 – 2094) mg/m ³ Fourier-transform infrared spectroscopy method (FTIR) Emissions of CO ₂ , CO, NO, NO ₂ , SO ₂ (as calculated)	
	Oxygen concentration Range: (3.0– 21.0) % Zirconia cell method	PB-E-13/03 issue 02 of 19/07/2016
	Concentration of: CO ₂ , CO, SO ₂ Range: CO ₂ (0.5 – 21.0) % SO ₂ (9 – 2094) mg/m ³ Nondispersive infrared spectrometry (NDIR) Emissions of CO ₂ , SO ₂ (as calculated)	PN-ISO 10396:2001
	Oxygen concentration Range: (3.0– 21.0) % Paramagnetic method (PDM)	
	Concentration of NO _x Range: (8 – 1893) mg/m ³ Chemiluminescence method (CLD) Emissions of NO _x (NO and NO ₂ calculated per NO ₂) (as calculated)	PN-EN 14792:2017-04 PN-ISO 10396:2001
	Concentration of CO Range: (3 – 2184) mg/m ³ Nondispersive infrared spectrometry (NDIR) CO emissions (as calculations)	
	Sampling for determination of SO ₂ concentration. SO ₂ emissions (as calculated)	PN-EN 14791:2017-04

Competences of the laboratory have been confirmed taking into account requirements of the provisions of executive acts of the Act of April 27, 2001 Environmental Protection Law (consolidated text Journal of Laws of 2020 item 1219, as amended).

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Periodic testing of air emissions from stationary sources performed for the purposes of regulatory area		
Waste gases	Water vapour content in chimney flues Range: (4–40) % Condensation and absorption method	PN-EN 14790:2017-04
	Sampling for determination of PCDD/PCDF mass concentration Filtration and condensation method	PN-EN 1948-1:2006
	PCDD/PCDF emissions (as calculated)	
	Sampling for determination HF concentrations	ISO 15713:2006*
	HF emissions (as calculated)	
	Sampling for determination HCl concentrations	PN-EN 1911:2011*
	HCl emissions (as calculated)	
	Total volatile organic carbon (TVOC) mass concentration Range: (0.6 – 243) mg/m ³ Continuous Flame Ionisation Detection Method (FID)	PN-EN 12619:2013
	Total volatile organic carbon (TVOC) mass emissions (as calculated)	
	Sampling for determination Concentrations of metals: As, Cd, Cr, Co, Cu, Mn, Ni, Pb, Sb, Ti, V Filtration and aspiration method	PN-EN 14385:2005
	Emissions of metals: As, Cd, Cr, Co, Cu, Mn, Ni, Pb, Sb, Ti, V (as calculated)	
	Sampling for total mercury concentration determination. Filtration and aspiration method	PN-EN 13211+AC:2006
	Total mercury emissions (as calculated)	
	Sampling for determination of individual gaseous organic compounds.	PN-EN 13649:2005 with exclusion of item 7
Emissions of individual gaseous organic compounds (as calculated)		
Sampling for determination of organic compound concentrations	PN-Z-04008-4:1999	
Organic compound emissions (as calculated)		

Competences of the laboratory have been confirmed taking into account requirements of the provisions of executive acts of the Act of April 27, 2001 Environmental Protection Law (consolidated text Journal of Laws of 2020 item 1219, as amended).

* Determination of the content of the tested compound is carried out by the Laboratory of Physicochemical Analysis

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Periodic testing of air emissions from stationary sources performed for the purposes of regulatory area		
Automatic Monitoring Systems (AMS)	Calibration (QAL 2) in the scope of: dust, NO _x , O ₂ , CO ₂ , HCl, HF, SO ₂ , CO, total organic carbon	PN-EN 14181:2015-02
	Annual Surveillance Test (AST) in the scope of: dust, NO _x , O ₂ , CO ₂ , HCl, HF, SO ₂ , CO, total organic carbon	PN-EN 14181:2015-02
	Dust concentration Range: (0.001 – 100) g/m ³ Gravimetric method.	PN-04030-7:1994
	Dust concentration Range: (0.0005 – 0.05) g/m ³ Gravimetric method.	PN-EN 13284-1:2018-02
	Concentration of: CO ₂ Range: (0.5– 21.0) % Nondispersive infrared spectrometry (NDIR)	PN-ISO 10396:2001
	Total volatile organic carbon (TVOC) mass concentration. Range: (0.6 – 243) mg/m ³ Continuous Flame Ionisation Detection Method (FID)	PN-EN 12619:2013
	HCl concentration Range: (0.1 – 5000) mg/m ³ Ion chromatography (IC)	PN-EN 1911:2011 with exclusion of item 6.3 and 6.4*
	Concentration of HF Range: (0.05 – 100) mg/m ³ Ion-selective electrode method	ISO 15713:2006*
	SO ₂ concentration Range: (0.05 – 6000) mg/m ³ Ion chromatography (IC)	PN-EN 14791:2017-04*
	Concentration of NO _x Range: (8 – 1893) mg/m ³ Chemiluminescence method (CLD)	PN-EN 14792:2017-04
	O ₂ concentration Range: (3.0– 21.0) % Paramagnetic method (PDM)	PN-EN 14789:2017-04
	Concentration of CO Range: (3 – 2184) mg/m ³ Nondispersive Infrared Spectrometry (NDIR)	PN-EN 15058:2017-04
	Water vapour content in chimney flues Range: (4–40) % Condensation-absorption method	PN-EN 14790:2017-04

Competences of the laboratory have been confirmed taking into account requirements of the provisions of executive acts of the Act of April 27, 2001 Environmental Protection Law (consolidated text Journal of Laws of 2020 item 1219, as amended).

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Waste gases	Concentration of: N ₂ O, NH ₃ , Range: N ₂ O (4 – 491) mg/m ³ NH ₃ (1 – 76) mg/m ³ Fourier-Transform Infrared Spectroscopy Method (FTIR)	PN-ISO 10396:2001 PB-E-13/03 issue 02 of 19/07/2016 PB-E-13/04 issue 01 of 10/02/2014
	N ₂ O, NH ₃ emissions (as calculated)	
	Sampling for determination PAH concentrations Filtration, Condensation-absorption method	ISO 11338-1:2003
	PAH emissions (as calculated)	
	Sampling for determination of concentrations of metals (Al, Ba, Sn, Zn, Fe, Mo, Se) Filtration and aspiration method	PB-E-13/02 issue 03 of 28/06/2019
	Emissions of metals: Al, Ba, Sn, Zn, Fe, Mo, Se (as calculated)	
	Dust sampling for determination of PM _{2.5} and PM ₁₀ dust concentration Filtration method	PN-Z-04030-7:1994 PN-EN 13284-1:2018-02 PB-E-14/06 issue 02 of 11/06/2018
	PM _{2.5} and PM ₁₀ dust emissions (as calculated)	
	Sampling for determination of formaldehyde concentration	PB-E-14/07 issue 1 of 22/08/2016
	Formaldehyde emissions (as calculated)	
	Sampling for determination of NH ₃ concentration	PN-EN ISO 21877:2020-03*
	NH ₃ concentration Range: (2 – 174) mg/m ³ Spectrophotometric method	
	NH ₃ emissions (as calculated)	
	Sampling for determination of PCDD/PCDF and dioxin-like PCBs concentration Emissions of PCDD/PCDF and dioxin-like PCBs (as calculated)	PN-EN 1948-4+A1: 2014-03
	Sampling for determination of CH ₄ concentration	PN-EN ISO 25139:2011
CH ₄ emissions (as calculated)		
Sampling for isocyanate concentration determination	WES 1436 issue 01 of 24/05/2021	
Isocyanate emissions (as calculated)		
Sampling for determination of H ₂ S concentration	WES 1437 issue 01 of 24/05/2021	
H ₂ S emissions (as calculated)		
Waste gases **)	Dust sampling for determination of ammonia concentration Filtration method	PN-Z-04030-7:1994 WES 827 issue 04 of 11/06/2018
	Ammonia emissions (as calculated)	

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**) Accreditation suspended at the request of the entity in the part marked with bold italics from 16/09/2021 to 15/03/2022 r."

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Automatic Monitoring Systems (AMS)	Calibration (QAL 2) in the scope of: NH ₃ , Hg	PN-EN 14181:2015-02
	Annual Surveillance Testing (AST) in the scope of: NH ₃ , Hg	PN-EN 14181:2015-02
	NH ₃ concentration Range: (1 – 76) mg/m ³ Fourier-Transform Infrared Spectroscopy Method (FTIR)	PB-E-13/06 issue 1 of 19/07/2016
	NH ₃ concentration Range: (2 – 174) mg/m ³ Spectrophotometric method	PN-EN ISO 21877:2020-03*
	Total mercury Hg concentration Range: (0.001 – 0.5) mg/m ³ Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	PN-EN 13211+AC:2006*
Rooms intended for the stay of people - air	Sampling for determination of concentration of formaldehyde and volatile organochlorine compounds Aspiration method	PN-EN ISO 16000-2:2008 ISO 16000-3:2011 PN-EN ISO 16000-5:2007 ISO 16000-6:2011
Dust-removing devices for waste gases	Dust concentration Range: (0.001– 100) g/m ³ Gravimetric method	PN-87/M-34129 method A PN-04030-7:1994 PN-EN 13284-1:2018-02
	Dedusting efficacy (as calculated)	

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WESSLING Polska Sp. z o.o. Customer Service Department ul. Biskupińska 14, 30-732 Kraków		
Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Groundwaters	Sampling for chemical and physical testing Temperature of water/collected water sample Range: (0.5 – 70.0) °C	PN-ISO 5667-11:2017-10 WES 927-L/ M issue 03 of 13/02/2019
Wastewater Rainwater Thawing waters	Sampling for chemical and physical testing Temperature of wastewater/collected wastewater sample Range: (0.5 – 70.0) °C	PN-ISO 5667-10:1997 WES 927-L/ M issue 03 of 13/02/2019
Surface waters	Sampling for chemical and physical testing Temperature of water/collected water sample Range: (0.5 – 70.0) °C	PN-EN ISO 5667-6:2016-12 PN-ISO 5667-4:2017-10 with exclusion of items 13,14 WES 927-L/ M issue 03 of 13/02/2019
Drinking water	Sampling for chemical and physical testing Temperature of collected water sample Range: (0.5 – 70.0) °C	PN-ISO 5667-5:2017-10 WES 927-L/ M issue 03 of 13/02/2019
Water in swimming pools	Sampling for chemical and physical testing Temperature of collected water sample Range: (0.5 – 70.0) °C	WES 900-L/ M issue 03 of 17/04/2018 WES 927-L/ M issue 03 of 13/02/2019
Soil	Sampling for chemical and physical testing	PN-ISO 10381-4:2007 PN-ISO 10381-5:2009 PN-ISO 10381-6:1998 PB-E-14/03 issue 01 of 03/02/2014
Aggregates	Sampling for chemical and physical testing	PN-EN 932-1:1999 item 8.8
Sewage sludge	Sampling for chemical and physical and microbiological testing	PN-EN ISO 5667-13:2011 with exclusion of items: 6.3.3, 6.3.4, 6.3.5, 6.3.7, 6.3.8, 6.3.10
Drinking water, water in swimming pools, wastewater, rainwater, thawing waters	pH <input checked="" type="checkbox"/> Range: (2.0 – 12.0) Potentiometric method	PN-EN ISO 10523:2012
Drinking water, water in swimming pools, wastewater	Specific electric conductivity <input checked="" type="checkbox"/> Range: (10 – 200000) µS/cm Conductometric method	PN-EN 27888:1999
Drinking water	Free chlorine concentration <input checked="" type="checkbox"/> Range: (0.1 – 5.0) mg/l Total chlorine concentration <input checked="" type="checkbox"/> Range: (0.1 – 5.0) mg/l Colorimetric method Bound chlorine concentration (as calculated)	WES 921- L/M issue 02 of 27/04/2017 based on HACH 8021 and HACH 8167 methods

tests/measurements performed in the field

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Water in swimming pools	Free chlorine concentration <input checked="" type="checkbox"/> Range: (0.1 – 5.0) mg/l	WES 921-L/M issue 02 of 27/04/2017 based on HACH 8021 and HACH 8167 methods
	Total chlorine concentration <input checked="" type="checkbox"/> Range: (0.1 – 5.0) mg/l Colorimetric method	
	Bound chlorine concentration (as calculated)	
	Redox potential <input checked="" type="checkbox"/> (redox) rel. Ag/AgCl 3.5 mol KCl Range: (200 – 800) mV Potentiometric method	WES 926-L/ M issue 02 of 27/04/2017
Water, wastewater	Dissolved oxygen <input checked="" type="checkbox"/> Range: (0.5 – 20) mg/l O ₂ Electrochemical method	PN-EN ISO 5814:2013-04

tests/measurements performed in the field

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Sampling for the purposes of the regulatory area covered by the Ordinance of the Minister of Economy of July 16 2015 on accepting waste for storage at landfills (Journal of Laws 2015, item 1277)		
Flexible scope of accreditation ¹⁾		
Waste ^{o)} : code 10 13 09*, 15 02 03, 19 12 10, 19 12 12,	Sampling for chemical and physical testing	WES 783 ³⁾

^{o)} waste codes according to the Ordinance of the Minister of Climate on the waste catalogue

Flexibility limits:

¹⁾ Use of updated methods described in the procedures developed by the laboratory

List of testing conducted as part of the flexible accreditation scope is made public by the accredited entity.

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Sampling conducted for the purposes of the regulated area covered by the Ordinance of the Minister of Economy of July 16, 2015 on admitting waste for storage in landfills (Journal of Laws 2015, item 1277) Sampling conducted for the purposes of the regulated area covered by the Ordinance of the Minister of the Environment of May 11, 2015 on waste recovery outside installations and devices (Journal of Laws 2015, item 796)		
Waste ^{DAB-11} : I. Mineral sediments and waste III. Construction waste V. Sludge and liquid waste IX. Sewage sludge XI. Slag, ash and bottom dust XXIV. Paper and cardboard XXVI. Wood XXVIII. Other municipal waste and waste from municipal waste, including mixed waste, and other waste from wastewater treatment and water treatment plants	Sampling for chemical and physical testing	WES 783 issue 05 of 29/09/2021

^{DAB-11}) Waste codes according to the Ordinance of the Minister of Climate on the catalogue of waste for the validation group are provided in Annex 1 to DAB-11

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WESSLING Polska Sp. z o.o. Physicochemical Analysis Laboratory ul. Biskupińska 14, 30-732 Kraków		
Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Drinking water	Concentration of aromatic hydrocarbon Range: Benzene (0.15 – 1000) µg/l Gas Chromatography Method with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-ISO 11423-1:2002
	Concentration of volatile organochlorine compounds Range: vinyl chloride (0.15 – 1000) µg/l 1,2-dichloroethane (0.5 – 1000) µg/l Trichloroethylene (0.5 – 1000) µg/l Tetrachloroethylene (0.5 – 1000) µg/l Trichloromethane (0.5 – 1000) µg/l Bromodichloromethane (0.5 – 1000) µg/l Dibromochloromethane (0.5 – 1000) µg/l Tribromomethane (0.5 – 1000) µg/l Gas Chromatography with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-EN ISO 10301:2002
Drinking water, water in swimming pools, wastewater, aqueous soil extracts, rainwater, thawing waters	pH Range: (2.0 – 12.0) Potentiometric method	PN-EN ISO 10523:2012
Drinking water, water in swimming pools, wastewater, aqueous soil extracts	Specific electric conductivity Range: (10 – 200000) µS/cm Conductometric method	PN-EN 27888:1999
Water, wastewater, rainwater, thawing waters	General suspensions Range: (2.0 – 5000) mg/l Weight method	PN-EN 872:2007+Ap1:2007
Water	Total hardness (as calculated)	WES 521 issue 05 of 11/06/2018
	Total alkalinity Range: (0.3 – 100) mmol/l Composite alkalinity Range: (0.3 – 100) mmol/l Bicarbonate concentration Range: (18.3 – 6100) mg/l HCO ₃ Potentiometric titration method	PN-EN ISO 9963-1:2001+Ap1:2004
	Total content of calcium and magnesium (total hardness) Range: (5 – 500) mg/l CaCO ₃ Titration method	PN ISO 6059:1999
	Total acidity Range: (0.1 – 10) mmol/l Titration method	WES 581 issue 02 of 08/02/2012
	Concentration of ΣTHM Range: Trichloromethane (0.5 – 2000) µg/l Bromodichloromethane (0.5 – 2000) µg/l Dibromochloromethane (0.5 – 2000) µg/l Tribromomethane (0.5 – 2000) µg/l Gas Chromatography with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-EN ISO 10301:2002

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Water, wastewater	Turbidity Range: (0.10– 1000) NTU Nephelometric method	PN-EN ISO 7027-1:2016-09
	Colour Range: (5.0 – 70) mg/l Pt Spectrophotometric method	PN-EN ISO 7887:2012 with exclusion of chapters 4, 5 and 7
	Concentration of dissolved oxygen Range: (0.5 – 20) mg/l O ₂ Electrochemical method	PN-EN ISO 5814:2013-04
	Biochemical Oxygen Demand – BOD ₅ Range: (1.5 – 6) mg/l O ₂ Electrochemical method	PN-EN 1899-2:2002
	Biochemical Oxygen Demand – BOD ₅ Range: (3 – 6000) mg/l O ₂ Electrochemical method	PN-EN ISO 5815-1:2019-12
	Chemical Oxygen Demand - COD Range: (4 – 50000) mg/l O ₂ Spectrophotometric method	PN-ISO 15705:2005
	Concentration of anion Range: Fluorides (0.02 – 100) mg/l Bromides (0.02 – 20) mg/l Nitrites (0.02 – 20) mg/l N-NO ₂ (0.006 – 6.09) mg/l Nitrates (0.1 – 500) mg/l N-NO ₃ (0.023 – 113) mg/l Phosphates (0.1 – 50) mg/l P-PO ₄ (0.033 – 16.3) mg/l Chlorides (0.1 – 50000) mg/l Sulphates (1 – 10000) mg/l Ion chromatography (IC)	PN-EN ISO 10304-1:2009+AC:2012
	Concentration of mercury Range: (0.5 – 2000) µg/l Atomic absorption spectrometry with amalgamation technique	WES 504 issue 09 of 11/06/2018
	Dissolved substances Range: (5 – 25000) mg/l Weight method	WES 522 issue 02 of 08/02/2012
	Dry residue Range: (5 – 25000) mg/l Weight method	WES 523 issue 02 of 08/02/2012
	Concentration of Cr ⁺⁶ Range: (0.01 – 10) mg/l Spectrophotometric method	PN-77/C-04604/08
	Concentration of mercury Range: (0.0001 – 2) mg/l Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	PN-EN ISO 12846:2012
	Concentration of ammoniacal nitrogen / ammonium ion Range: N-NH ₄ (0.04 – 200) mg/l NH ₄ (0.5 – 260) mg/l Spectrophotometric method	PN-ISO 7150-1:2002
	Concentration of Phosphate Range: (0.01 – 100) mg/l (0.003 – 32.6) mg/l P-PO ₄ Spectrophotometric method	PN-EN ISO 6878:2006+Ap1:2010+Ap2:2010
Concentration of anionic surfactants (MBAS index) Range: (0.05 – 250) mg/l MBAS Spectrophotometric method	WES 561 issue 05 of 13/12/2019 based on Merck cuvette test No. 1.02552	

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Water, wastewater	Concentration of non-ionic surfactants Range: (0.1 – 100) mg/l Spectrophotometric method	WES 563 issue 04 of 13/12/2019 based on Merck cuvette test No. 1.01787
	Organic substances extracting by naphtha-ether Range: (2 – 5000) mg/l Weight method	WES 568 issue 04 of 11/06/2018
	Permanganate index Range: (1 – 300) mg/l O ₂ Titration method	PN-EN ISO 8467:2001
	Concentration of volatile organic com- pounds Range: Dichlorodifluoromethane (0.5– 12000) µg/l Chloromethane (0.5 – 12000) µg/l Bromomethane (0.5 – 12000) µg/l Chloroethane (0.5 – 12000) µg/l Trichloromonofluoromethane (0.5 – 12000) µg/l 2,2-Dichloropropane (0.5 – 12000) µg/l Bromochloromethane (0.5 – 12000) µg/l 1,1-Dichloropropene (0.5 – 12000) µg/l Dibromomethane (0.5 – 12000) µg/l 1,2-Dichloropropane (0.5 – 12000) µg/l Bromodichloromethane (0.5 – 12000) µg/l Cis-1,3-dichloropropene (0.5 – 12000) µg/l Trans-1,3-dichloropropene (0.5 – 12000) µg/l dibromochloromethane (0.5 – 12000) µg/l 1,3-Dichloropropane (0.5 – 12000) µg/l 1,2-dibromoethane (0,5 – 12000) µg/l Tribromomethane (0.5 – 12000) µg/l Bromobenzene (0.5 – 12000) µg/l 2-Chlorotoluene (0.5 – 12000) µg/l 1,2,3-Trichloropropane (0.5 – 12000) µg/l 4-Chlorotoluene (0.5 – 12000) µg/l Tert-buthylbenzene (0.5 – 12000) µg/l Sec-buthylbenzene (0.5 – 12000) µg/l p-cymene (isopropyltoluene) (0.5 – 12000) µg/l n-Buthylbenzene (0.5 – 12000) µg/l 1,2-Dibromo-3-chloropropane (0.5 – 12000) µg/l 1,2,4-Trichlorobenzene (0.5 – 12000) µg/l 1,2,3-Trichlorobenzene (0.5 – 12000) µg/l Gas Chromatography with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-ISO 11423-1:2002 PN-EN ISO 10301:2002
	Concentration of polychlorinated biphenyls (PCB) Range: PCB 28 (0.001 – 20) µg/l PCB-52 (0.001 – 20) µg/l PCB-101 (0.001 – 20) µg/l PCB-118 (0.001 – 20) µg/l PCB-138 (0.001 – 20) µg/l PCB-153 (0.001 – 20) µg/l PCB-180 (0.001 – 20) µg/l Gas Chromatography with Electron Capture Detection (GC-ECD) and Gas Chromatography with Mass Spectrometry (GC-MS)	PN-EN ISO 6468:2002

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Water, wastewater	Concentration of ammoniacal nitrogen / ammonium ion Range: (1 – 1000) mg/l N-NH ₄ (1.3 – 1280) mg/l NH ₄ Titration method	PN-ISO 5664:2002
	Phenolic index Range: (0.01 – 15) mg/l Spectrophotometric method	PN ISO 6439:1994 with exclusion of item 5
	Concentration of organochlorine pesticide Range: 1,2,3-Trichlorobenzene (0.001 – 10) µg/l 1,2,4-Trichlorobenzene (0.001 – 10) µg/l 1,3,5-Trichlorobenzene (0.001 – 10) µg/l 1,2,3,4-Tetrachlorobenzene (0.001 – 10) µg/l 1,2,4,5-Tetrachlorobenzene and 1,2,3,5-Tetrachlorobenzene (0.002 – 20) µg/l Pentachlorobenzene (0.001 – 10) µg/l Pentachloronitrobenzene (Quintozene) (0.001 – 10) µg/l Hexachlorobenzene (0.001 – 10) µg/l α-Hexachlorocyclohexane (0.001 – 10) µg/l β-Hexachlorocyclohexane (0.001 – 10) µg/l γ-Hexachlorocyclohexane (0.001 – 10) µg/l δ-Hexachlorocyclohexane (0.001 – 10) µg/l 2,4'-DDE (0.001 – 10) µg/l 4,4'-DDE (0.001 – 10) µg/l 2,4'-DDD (0.001 – 10) µg/l 4,4'-DDD (0.001 – 10) µg/l 2,4'-DDT (0.001 – 10) µg/l 4,4'-DDT (0.001 – 10) µg/l Isodrin (0,001 – 10) µg/l 4,4'-Methoxychlorine (0.001 – 10) µg/l Aldrin (0.001 – 10) µg/l Dieldrin (0.001 – 10) µg/l Endrin (0.001 – 10) µg/l Heptachlorine (0.001 – 10) µg/l Heptachlorine epoxide (Isomer B) (0.001 – 10) µg/l α-Endosulfan (0.001 – 10) µg/l β-Endosulfan (0.001 – 10) µg/l Gas Chromatography with Electron Capture Detection (GC-ECD) and Gas Chromatography with Mass Spectrometry (GC-MS) Total organochlorine pesticides (as calculated)	PN-EN ISO 6468:2002

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Water, wastewater	Concentration of free cyanide Range: (0.002 – 1) mg/l Spectrophotometric method	PN-80/C-04603/01 with exclusion of item 7b and 7c
	Concentration of: - total organic carbon Range: (1 – 50,000) mg/l - dissolved organic carbon, Range: (1 – 50,000) mg/l - total inorganic carbon Range: (1 – 50,000) mg/l - total carbon Range: (2 – 50,000) mg/l High-Temperature Combustion and IR Detection	PN-EN 1484:1999
	Redox potential (redox <i>rel.</i> 3 M KCl + AgCl) Range: (-200 – 500) mV Potentiometric method	WES 593 issue 04 of 11/06/2018
	Concentration of total nitrogen Range: (0.5 – 10000) mg/l Electrochemical method	WES 595 issue 04 of 11/06/2018
	Concentration of organic and inorganic nitrogen (as calculated)	
	Concentration of aggressive carbon dioxide Range: (3 – 400) mg/l Potentiometric titration method	PN-EN 13577:2008
	Concentration of fluoride Range: (0.100 – 100) mg/l Potentiometric method	PN-78/C-04588/03
	Concentration of chlorophenol, Range: (0.00025 – 0.20) mg/l 2-Chlorophenol 3-Chlorophenol 4-Chlorophenol 2,6-Dichlorophenol 3,5-Dichlorophenol 2,3-Dichlorophenol 3,4-Dichlorophenol 2,4,6-Trichlorophenol 2,3,6-Trichlorophenol 2,3,5-Trichlorophenol 2,4,5-Trichlorophenol 2,3,4-Trichlorophenol 3,4,5-Trichlorophenol 2,3,5,6-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,4,5-Tetrachlorophenol Pentachlorophenol Range: (0.00050 – 0.40) mg/l 2,4+2,5-dichlorophenol Gas Chromatography with Mass Spectrometry Detection (GC-MS)	PN-EN 12673:2004
	Phenol, cresols and chloronaphthalene Range: (0.00025 – 0.20) mg/l Phenol o-cresol m-cresol p-cresol 2-chloronaphthalene 1-chloronaphthalene Gas Chromatography with Mass Spectrometry Detection (GC-MS)	WES 1462 issue 01 of 30/03/2021

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Wastewater	Easily settling suspensions Range: (0.1 – 500) ml/l Volumetric method	WES 572 issue 02 of 08/02/2012
Sewage sludge	Residue after ignition Range: (0.1– 99.9) % Weight method	PN-EN 12879:2004
	Content of dry residue (dry weight), humidity Range: (1– 99) % Weight method	PN-EN 12880:2004
	Loss on ignition, Range: (0.1– 99.9) % Weight method	PN-EN 12879:2004
	Content of organic substance at 600°C Range: (0.1– 99.9) % Weight method	
	Content of mercury Range: (0.4 – 15) mg/kg Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	PN-ISO 16772:2009 PN-EN 16175-1:2017-020 WES 638 issue 06 of 19/03/2021
Sewage sludge	Content of mercury Range: (0.005 – 15) mg/kg Atomic Absorption Spectrometry with amalgamation technique	WES 503 issue 09 of 29/09/2020
Soils, sewage sludge	pH Range: (2.0 – 12.0) Potentiometric method	WES 500 issue 06 of 11/06/2018
	Content of ammoniacal nitrogen Range: (10 –100000) mg/kg N-NH ₄ Concentration of ammonium ion Range: (12.8 – 128800) mg/l NH ₄ Titration method	WES 578 issue 03 of 11/06/2018

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Soil	pH _{KCl} Range: (2.0 – 12.0) Potentiometric method	PN-ISO 10390:1997
	Dry weight, humidity Range: (5 – 99.9)% Weight method	PN-ISO 11465:1999
	Phenolic index Range: (0.6 – 200) mg/kg Spectrophotometric method	WES 576 issue 02 of 19/02/2015
	Loss on ignition Range: (0.1– 99.9) % Weight method	WES 566 issue 04 of 07/09/2021
	Residue after ignition Range: (0.1– 99.9) % Weight method	WES 566 issue 04 of 07/09/2021
	Content of organochlorine pesticide Range: 1,2,3-Trichlorobenzene (0.001 – 1) mg/ kg 1,2,4-Trichlorobenzene (0.001 – 1) mg/ kg 1,3,5-Trichlorobenzene (0.001 – 1) mg/ kg 1,2,3,4-Tetrachlorobenzene (0.001 – 1) mg/kg 1,2,4,5-Tetrachlorobenzene and 1,2,3,5-Tetrachlorobenzene (0.002 – 2) mg/kg Pentachlorobenzene (0.001 – 1) mg/kg Pentachloronitrobenzene (Quintozene) (0.001 – 1) mg/kg Hexachlorobenzene (0.001 – 1) mg/kg α -Hexachlorocyclohexane (0.001 – 1) mg/kg β -Hexachlorocyclohexane (0.001 – 1) mg/kg γ -Hexachlorocyclohexane (0.001 – 1) mg/kg δ -Hexachlorocyclohexane (0.001 – 1) mg/kg 2,4'-DDE (0.001 – 1) mg/kg 4,4'-DDE (0.001 – 1) mg/kg 2,4'-DDD (0.001 – 1) mg/kg 4,4'-DDD (0.001 – 1) mg/kg 2,4'-DDT (0.001 – 1) mg/kg 4,4'-DDT (0.001 – 1) mg/kg Isodrin (0.001 – 1) mg/kg 4,4'-Methoxychlorine (0.001 – 1) mg/kg Aldrin (0.001 – 1) mg/ kg Dieldrin (0.001 – 1) mg/ kg Endrin (0.001 – 1) mg/ kg Heptachlorine (0.001 – 1) mg/kg Heptachlorine epoxide (Isomer B) (0.001 – 1) mg/kg α -Endosulfan (0.001 – 1) mg/kg β -Endosulfan (0.001 – 1) mg/kg Gas Chromatography with Electron Capture Detection (GC-ECD) and Gas Chromatography with Mass Spectrometry (GC-MS)	PN-ISO 10382:2007
	Total organic carbon Range: (0.05– 35) % (500 – 350000) mg/kg High-Temperature Combustion and IR Detection	PN-ISO 10694:2002

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Soil	Concentration of polychlorinated biphenyls (PCB) Range: PCB 28 (0.001 – 2) mg/kg PCB-52 (0.001 – 2) mg/kg PCB-101 (0.001 – 2) mg/kg PCB-118 (0.001 – 2) mg/kg PCB-138 (0.001 – 2) mg/kg PCB-153 (0.001 – 2) mg/kg PCB-180 (0.001 – 2) mg/kg Gas Chromatography with Electron Capture Detection (GC-ECD) and Gas Chromatography with Mass Spectrometry (GC-MS)	PN-ISO 10382:2007
	Content of volatile organic compounds Range: Dichlorodifluoromethane (0.01 – 200) mg/kg Chloromethane (0.01 – 200) mg/kg Bromomethane (0.01 – 200) mg/kg Trichloromonofluoromethane (0.01 – 200) mg/kg 2,2-Dichloropropane (0.01 – 200) mg/kg Bromochloromethane (0.01 – 200) mg/kg 1,1-Dichloropropene (0.01 – 200) mg/kg Dibromomethane (0.01 – 200) mg/kg 1,2-Dichloropropane (0.01 – 200) mg/kg Bromodichloromethane (0.01 – 200) mg/kg Cis-1,3-dichloropropene (0.01 – 200) mg/kg Trans-1,3-dichloropropene (0.01 – 200) mg/kg Dibromochloromethane (0.01 – 200) mg/kg 1,3-Dichloropropane (0.01 – 200) mg/kg 1,2-Dibromoethane (0.01 – 200) mg/kg Tribromomethane (0.01 – 200) mg/kg Bromobenzene (0.01 – 200) mg/kg 2-Chlorotoluene (0.01 – 200) mg/kg 1,2,3-Trichloropropane (0.01 – 200) mg/kg 4-Chlorotoluene (0.01 – 200) mg/kg Tert-butylobenzene (0.01 – 200) mg/kg Sec-butylobenzene (0.01 – 200) mg/kg p-Cymene (isopropyltoluene) (0.01 – 200) mg/kg n-Butylobenzene (0.01 – 200) mg/kg 1,2-Dibromo-3-chloropropane (0.01 – 200) mg/kg 1,2,4-Trichlorobenzene (0.01 – 200) mg/kg 1,2,3-Trichlorobenzene (0.01 – 200) mg/kg Gas Chromatography with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-EN ISO 22155:2016-07
	Content of bound, free and total cyanide Range: Bound cyanides (0.04 – 50.0) mg/kg Total cyanides (0.08 – 50.0) mg/kg Free cyanides (0.04 – 50.0) mg/kg Spectrophotometric method	PN-ISO 11262:2008

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Soil	Baumann-Gully acidity Range: (4 – 300) ml/kg Potentiometric titration method	DIN 4030-2:2006-06
	Content of chlorophenol, chloronaphthalene Range: (0.010 – 10) mg/kg 2-chlorophenol 3-chlorophenol 4-chlorophenol 2,6-dichlorophenol 3,5-dichlorophenol 2,3-dichlorophenol 3,4-dichlorophenol 2,4,6-trichlorophenol 2,3,6-trichlorophenol 2,3,5-trichlorophenol 2,4,5-trichlorophenol 2,3,4-trichlorophenol 3,4,5-trichlorophenol 2,3,5,6-tetrachlorophenol 2,3,4,6-tetrachlorophenol 2,3,4,5-tetrachlorophenol Pentachlorophenol 2-chloronaphthalene 1-chloronaphthalene Range: (0.020 – 20) mg/kg 2,4+2,5-dichlorophenol Gas Chromatography with Mass Spectrometry Detection (GC-MS)	PN-ISO 14154:2008
	Content of phenol, cresol Range: (0.010 – 10) mg/kg Phenol o-cresol m-cresol p-cresol Gas Chromatography with Mass Spectrometry Detection (GC-MS)	WES 1463 issue 01 of 30/03/2021
Soil, Aqueous extracts from soil	Concentration/content of free cyanide Range: (0.002 – 1) mg/l (0.02 – 10) mg/kg Spectrophotometric method	PN-80/C-04603/01 with exclusion of item 7b and 7c WES 575 issue 03 of 11/06/2018

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Soil, Aqueous extracts from soil	Concentration/content of anions Range: Fluorides (0.02 – 100) mg/l (0.2 – 1000) mg/kg Bromides (0.02 – 20) mg/l (0.2 – 200) mg/kg Nitrites (0.02 – 20) mg/l (0.2 – 200) mg/kg N-NO ₂ (0.006 – 6.09) mg/l (0.06 – 60.9) mg/kg Nitrates (0.1 – 500) mg/l (1 – 5000) mg/kg N-NO ₃ (0.023 – 113) mg/l (0.23 – 1130) mg/kg Phosphates (0.1 – 50) mg/l (1.0 – 500) mg/kg P-PO ₄ (0.033 – 16.3) mg/l (0.33 – 163.0) mg/kg Chlorides (0.1 – 50000) mg/l (1.0 – 500000) mg/kg Sulphates (1 – 10000) mg/l (10 – 100000) mg/kg Ion chromatography (IC)	PN-EN ISO 10304-1:2009 WES 640 issue 02 of 11/06/2018
	Concentration/content of Cr ⁺⁶ Range: (0.01 – 10) mg/l (0.1 – 100) mg/kg Spectrophotometric method	PN-77/C-04604/08 WES 639 issue 02 of 11/06/2018
	Concentration/content of metals Range: As (0.005 – 1) mg/l (0.05 – 10) mg/kg Ba (0.02 – 30) mg/l (0.2 – 300) mg/kg Cd (0.0005 – 1) mg/l (0.005 – 10) mg/kg Co (0.01 – 1.5) mg/l (0.1 – 15) mg/kg Cr (0.005 – 10) mg/l (0.05 – 100) mg/kg Cu (0.005 – 20) mg/l (0.05 – 200) mg/kg Mo (0.002 – 1) mg/l (0.02 – 10) mg/kg Ni (0.002 – 5) mg/l (0.02 – 50) mg/kg Pb (0.005 – 10) mg/l (0.05 – 100) mg/kg Sb (0.005 – 1) mg/l (0.05 – 10) mg/kg Se (0.005 – 1) mg/l (0.05 – 10) mg/kg Sn (0.005 – 1,5) mg/l (0.05 – 15) mg/kg Zn (0.02 – 500) mg/l (0.2 – 5000) mg/kg Mn (0.01 – 10) mg/l (0.1 – 100) mg/kg Inductively coupled plasma - optical emission spectrometry (ICP-OES)	PN-EN ISO 11885:2009 WES 638 issue 04 of 11/06/2018

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Soil	Content of mercury Range: (0.04 – 15) mg/kg Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	PN-ISO 16772:2009 PN-EN 16175-1:2017-02 WES 638 issue 06 of 19/03/2021
	Concentration of mercury Range: (0.005 – 20) mg/kg Atomic absorption spectrometry with amalgamation technique	WES 503 issue 09 of 29/09/2020
Soil, Aqueous extracts from soil	Concentration/content of mercury Range: (0.0001 – 2) mg/l (0.001 – 20) mg/kg Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	WES 638 issue 06 of 19/03/2021
	Phenolic index Range: (0.01 – 15) mg/l (0.1 – 150) mg/kg Spectrophotometric method	PN ISO 6439:1994 with exclusion of item 5 WES 641 issue 02 of 11/06/2018
	Concentration/content: - dissolved organic carbon, Range: (1 – 50,000) mg/l (10 – 500,000) mg/kg High-Temperature Combustion and IR Detection	PN-EN 1484:1999 WES 614 issue 03 of 11/06/2018
Ground	Determination of the particle size distribution of a soil in range (0.063-63.0) mm with division into fractions Range (0.5 – 99.5) % Sieve method	PKN-CEN ISO/TS 17892-4:2009
	Water permeability-filtration rate Range: (10^{-6} – 10^{-2}) m/s (as calculated)	PKN-CEN ISO/TS 17892-4:2009 PB-L-13/57 issue 1 of 28/01/2019
	Humidity Range: (5– 40) % Weight method	PN-EN ISO 17892-1:2015-02
	Water permeability-filtration rate Range: (10^{-10} – 10^{-5}) m/s Variable hydraulic gradient method	PKN-CEN ISO/TS 17892-11:2009
	Bulk density Range: (1 – 2.8) g/cm ³ Weight and volume method	PN-EN ISO 17892-2:2015-02
	Granulometric composition in the range of <0.063mm particle size Range: (0.5– 99.5) % Aerometric method	PKN-CEN ISO/TS 17892-4-2009 PN-EN ISO/TS 17892-4-2017-01
	Aggregates, stones, rocks	Content of mercury Range: (0.04 – 15) mg/kg Cold Vapour-Atomic Absorption Spectrometry (CVAAS)
Waste^{o)} : code 030101; 030105; 030301; 030307; 030308; 101309; 101311; 101380; 101381; 101382; 150101; 150203; 170504; 170508; 190114; 190801; 190802; 191207; 191209; 191210; 191212; 200202; 200302	Concentration/content of mercury Range: (0.0001 – 2) mg/l (0.001 – 20) mg/kg Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	PN-EN ISO 12846:2012 PN-EN 12457-2:2006

^{o)} waste codes according to the Ordinance of the Minister of Climate on the waste catalogue

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
General environment: waste gas samples in flushing solution	Concentration of mercury c Range: (0.0001 – 500) mg/l Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	PN-EN 13211:2002+AC:2006*
General environment: samples of waste gases collected to absorbing solution	Concentration of mercury Range: (0.0001 – 500) mg/l Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	PN-EN 13211:2002+AC:2006*
General environment: - samples of waste gases collected on filters	Mercury content Range: (0.01 – 100) ug/sample Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	PN-EN 13211:2002+AC:2006*
General environment: - samples of waste gases collected to absorbing solution	Ammonia content Range: (0.008 – 29) mg in sample Spectrophotometric method	PN-EN ISO 21877:2020-03
General environment: - samples of waste gases collected on filters	Metal content Range: As (0.25 – 500) µg per sample Cd (0.025 – 1000) µg per sample Co (0.5 – 100) µg per sample Cr (0.25 – 2500) µg per sample Cu (2 – 5000) µg per sample Mn (0.5 – 2500) µg per sample Ni (0.1 – 2500) µg per sample Pb (0.25 – 1000) µg per sample Sb (0.25 – 100) µg per sample Tl (0.1 – 1000) µg per sample V (0.1 – 1000) µg per sample Inductively coupled plasma - optical emission spectrometry (ICP-OES)	PN-EN 14385:2005*
General environment: - samples of waste gases collected on filters	Metal content Range: Ba (1 – 500) µg per sample Fe (15 – 10000) µg per sample Mo (5 – 500) µg per sample Se (0.25 – 100) µg per sample Sn (0.25 – 100) µg per sample Zn (1 – 50000) µg per sample Inductively coupled plasma - optical emission spectrometry (ICP-OES)	PB-L-13/39 issue 03 of 15/05/2019
General environment: - samples of waste gases collected to absorbing solution	Metal content Range: As (0.15 – 3000) µg per sample Cd (0.015 – 6000) µg per sample Co (0.3 – 3000) µg per sample Cr (0.15 – 15000) µg per sample Cu (0.15 – 6000) µg per sample Mn (0.3 – 6000) µg per sample Ni (0.06 – 15000) µg per sample Pb (0.15 – 15000) µg per sample Sb (0.15 – 3,000) µg per sample Tl (0.06 – 1500) µg per sample V (0.06 – 1500) µg per sample Inductively coupled plasma - optical emission spectrometry (ICP-OES)	PN-EN 14385:2005*

*Methot applicable as reference method in regulatory area (see p. 2/56, 3/56)

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
General environment: - samples of waste gases collected to absorbing solution	Metal content Range: Ba (0.6 – 7500) µg per sample Fe (0.3 – 75000) µg per sample Mo (0.06 – 7500) µg per sample Se (0.15 – 300) µg per sample Sn (0,15 – 300) µg per sample Zn (0.6 – 150000) µg per sample Inductively coupled plasma - optical emission spectrometry (ICP-OES)	PB-L-13/39 issue 3 of 15/05/2019
General environment: - samples of waste gases collected to absorbing solution	Concentration of SO ₂ Range: (0.00268 – 1500) mg per sample Ion chromatography (IC)	PN-EN 14791:2017-04 with exclusion of item 9.3*
	Concentration of HCl Range: (0.004 – 6000) mg per sample Ion chromatography (IC)	PN-EN 1911:2011 with exclusion of item 6.3 and 6.4*
	Concentration of HF Range: (0.004 -12) mg per sample Ion-selective electrode method	ISO 15713:2006*
Food: Fruits and vegetables Mushrooms Herbs Products of marine origin Fish Spices and spice mixes Processed fruit and vegetable Teas, fruit and herbal infusions (single- and multi-ingredient) Sweets and pastries (including sweet snacks) Salty snacks, nuts and dried fruit Cereal and processed cereal prod- ucts Food concentrates Eggs and processed egg products	Mercury content Range: (0.005 – 7.5) mg/kg Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	PN-EN 13805:2014-11, PN-EN 13804:2013-06, WES 1387 issue 01 of 19/03/2021
Feeds, feed mixes and additives, premixes	Mercury content Range: (0.005 – 7.5) mg/kg Cold Vapour-Atomic Absorption Spectrometry (CVAAS)	WES 834 issue 05 of 19/03/2021
Fruits and vegetables	Nitrite and nitrate content Range: Nitrates (40 – 10000) mg/kg Nitrites (10 – 1000) mg/ kg Ion chromatography (IC)	WES 745 issue 04 of 26/06/2017
Foodstuffs of plant origin: Fruits and vegetables with high water content	Total dithiocarbamates including ferbam, mancozeb, maneb, metam, metiram, nabam, propineb, thiram, ziram, zineb expressed as CS ₂ Range: (0.025 – 2.5) mg/kg Gas Chromatography with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	WES 1482 issue 01 of 01/10/2021
Foodstuffs of plant origin: fresh fruits/vegetables, potatoes	Inorganic bromide content Range: (1- 40) mg/kg Gas Chromatography with Mass Spectrometry Detection (GC-MS)	PN-EN 13191-2:2002

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Food: Meat and processed meat Processed fruits and vegetables Pastry products and semi-finished products Cereals and processed cereals Delicatessen Food concentrates Confectionery products Bakery products Milk and dairy products Feed Fat, oil	Sugars content: - fructose (0.1 - 90.0) g/100g (g/100ml) - glucose (0.1 - 90.0) g/100g (g/100ml) - xylose (0.1 - 50.0) g/100g (g/100ml) - lactose (0.1 - 50.0) g/100g (g/100 ml) - maltose (0.1 - 50.0) g/100g (g/100ml) - sucrose (0.1 - 92.1) g/100g (g/100ml) - galactose (0.1 - 50.0) g/100g (g/100ml) High Performance Liquid Chromatography with Refractometric Detection (HPLC-RID) Total sugars content (as calculated)	WES 1489 issue 02 of 04/0/2022
Food products	Net weight, drained weight Range: net weight (1 – 3000) g drained weight (1 – 2500) g Weight method Contribution of ingredients (as calculated)	WES 781 – L/M issue 01 of 19/02/2015

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Flexible scope of accreditation ^{1), 2), 3), 4)}		
Water, wastewater	Concentration of polycyclic aromatic hydrocarbons ^{1), 2)} Gas Chromatography with Mass Spectrometry Detection (GC-MS)	WES 496 ⁴⁾
	Total C ₆ – C ₁₂ hydrocarbons (gasoline fraction ingredients) ²⁾ Gas Chromatography with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-ISO 11423-1 ³⁾
	Concentration of aromatic hydrocarbon ^{1), 2)} Gas Chromatography with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-ISO 11423-1 ³⁾
	Concentration of C ₁₂ – C ₃₅ hydrocarbons (oil fraction ingredients) ²⁾ Gas Chromatography with Flame Ionization Detection (GC-FID)	PN-EN ISO 9377-2 ³⁾
	Concentration of hydrocarbons from C ₁₀ to C ₄₀ ²⁾ Gas Chromatography with Flame Ionization Detection (GC-FID)	PN-EN ISO 9377-2 ³⁾ WES 702 ⁴⁾
	Concentration of selected hydrocarbon fractions from C ₁₀ to C ₄₀ (as calculated)	
	Concentration of metals ^{1), 2)} Inductively coupled plasma - optical emission spectrometry (ICP-OES)	PN-EN ISO 11885 ³⁾
	Concentration of volatile organochlorine compounds ^{1) 2)} Gas Chromatography with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-EN ISO 10301 ³⁾
	Water, wastewater, Rainwater, thawing waters.	Mineral oil index ²⁾ Gas Chromatography with Flame Ionization Detection (GC-FID)
Sewage sludge	Metals content ^{1), 2)} Inductively coupled plasma - optical emission spectrometry (ICP-OES)	WES 638 ⁴⁾

Flexibility limits:

- ¹⁾ Addition of another feature within the test item / item group and testing technique
- ²⁾ Change of the measurement scope of the test method
- ³⁾ Application of updated standardized methods described explained in norms
- ⁴⁾ Use of updated methods described in the procedures developed by the laboratory

List of testing conducted as part of the flexible accreditation scope is made public by the accredited body.

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Flexible scope of accreditation ^{1), 2), 3), 4)}		
Soil	Total C ₆ – C ₁₂ hydrocarbons (gasoline fraction ingredients) ²⁾ Gas Chromatography With Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-EN ISO 22155 ³⁾
	Aromatic hydrocarbon content ^{1), 2)} Gas Chromatography with Headspace Analysis And Mass Spectrometry Detection (HS-GC-MS)	PN-EN ISO 22155 ³⁾
	Content of volatile organochlorine compounds ^{1), 2)} Gas Chromatography with Headspace Analysis and Mass Spectrometry Detection (HS-GC-MS)	PN-EN ISO 22155 ³⁾
	Concentration of hydrocarbons from C ₁₀ to C ₄₀ ²⁾ Gas Chromatography with Flame-Ionization Detection (GC-FID)	PN-EN ISO 16703 ³⁾ WES 703 ⁴⁾
	Content of selected hydrocarbon fractions from C ₁₀ to C ₄₀ (as calculated)	
Soil, aggregates, stones, rocks	Metals content ^{1), 2)} Inductively coupled plasma - optical emission spectrometry (ICP-OES)	WES 638 ⁴⁾ WES 832 ⁴⁾
	Mercury content ²⁾ Atomic absorption spectrometry with amalgamation technique	WES 503 ³⁾ WES 833 ³⁾
	Content of polycyclic aromatic hydrocarbons ^{1), 2)} Gas chromatography with mass spectrometry detection (GC-MS)	WES 502 ⁴⁾
	Mineral oil index (C ₁₀ - C ₄₀ hydrocarbon concentration) ²⁾ Gas Chromatography with Flame Ionization Detection (GC-FID)	PN-EN ISO 16703 ³⁾
	Concentration of C ₁₂ – C ₃₅ hydrocarbons (oil fraction ingredients) ²⁾ Gas Chromatography with Flame-Ionization Detection (GC-FID)	PN-EN ISO 16703 ³⁾

Flexibility limits:

- ¹⁾ Addition of another feature within the test item / item group and testing technique
- ²⁾ Change of the measurement scope of the test method
- ³⁾ Application of updated standardized methods described in norms
- ⁴⁾ Use of updated methods described in the procedures developed by the laboratory

List of testing conducted as part of the flexible accreditation scope is made public by the accredited body.

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Flexible scope of accreditation ^{1), 2), 3), 4), 5), 6), 7)}		
Foodstuffs ¹⁾	Metals content ^{2), 3)} Inductively coupled plasma - optical emission spectrometry (ICP-OES)	PN-EN 13804 ⁴⁾ PN-EN 13805 ⁴⁾ PN-EN ISO 11885 ⁴⁾
	Mercury content ³⁾ Atomic absorption spectrometry with amalgamation technique	WES 597 ⁵⁾
	Pesticide content ^{2), 3)} High Performance Liquid Chromatography with Tandem Detection (HPLC-MS-MS)	NORMS ⁶⁾
	Content of plant protection product residues ^{2), 3)} Gas Chromatography with Tandem Mass Spectrometry (GC-MS/MS)	PN- EN 15662 ⁴⁾
	Mycotoxin content ^{2), 3)} High Performance Liquid Chromatography with Tandem Detection (HPLC-MS-MS)	WES 747 ⁵⁾
	Acrylamide content ^{2), 3)} High Performance Liquid Chromatography with Tandem Detection (HPLC-MS-MS)	WES 925 ⁵⁾
	Percentage contribution of fatty acids ^{2), 3)} Gas Chromatography with Flame-Ionization Detection (GC-FID)	NORMS /TEST PROCEDURES ^{6), 7)}
	Sums of fatty acids (as calculations)	
	Feeds and feed mixes ¹⁾	Mycotoxin content ^{2), 3)} High Performance Liquid Chromatography with Tandem Detection (HPLC-MS-MS)
Content of plant protection product residues ^{2), 3)} Gas Chromatography with Tandem Mass Spectrometry (GC-MS-MS)		PN-EN ISO 15662 ⁴⁾
Feeds and feed mixes Premixes ¹⁾		Metals content ^{2), 3)} Inductively coupled plasma - optical emission spectrometry (ICP-OES)
	Mercury content ³⁾ Atomic absorption spectrometry with amalgamation technique	WES 597 ⁵⁾

Flexibility limits:

- ¹⁾ Addition of products tested within group of products tested
- ²⁾ Addition of another feature within the test item / item group and method (testing technique)
- ³⁾ Change of the measurement scope of the test method
- ⁴⁾ Application of updated standardized methods described in norms
- ⁵⁾ Use of updated methods described in the procedures developed by the laboratory
- ⁶⁾ Use of updated and implementation of new methods described in the norms
- ⁷⁾ Use of updated and implementation of new methods described in the procedures developed by the Laboratory

List of testing conducted as part of the flexible accreditation scope is made public by the accredited body.

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Flexible scope of accreditation ^{1), 2), 3)}		
Testing conducted for the purposes of the regulatory area covered by the Ordinance of the Minister of Economy of July 16, 2015 on accepting waste for storage at landfills (Journal of Laws 2015, item 1277)		
Waste ^{o)} code: 03 01 01, 03 01 05, 03 03 01, 03 03 07, 03 03 08, 10 13 09, 10 13 11, 10 13 80, 10 13 81, 10 13 82, 15 01 01, 15 02 03, 17 05 04, 17 05 08, 19 01 14, 19 08 01, 19 08 02, 19 12 07, 19 12 09, 19 12 10, 19 12 12, 20 02 02, 20 03 02	pH Range: (2.0 – 12.0) Potentiometric method	PN-EN ISO 10523 ³⁾ PN-EN 12457-2 ³⁾
	Specific electric conductivity Range: (10 – 200000) µS/cm Conductometric method	PN-EN 27888 ³⁾ PN-EN 12457-2 ³⁾
	Metals content ^{1), 2)} Inductively coupled plasma - optical emission spectrometry (ICP-OES)	PN-EN ISO 11885 ³⁾ PN-EN 12457-2 ³⁾
	Mercury content ²⁾ Atomic absorption spectrometry with amalgamation technique	PN-EN 12457-2 ³⁾ WES 504 ³⁾
	Anion content ^{1), 2)} Ion chromatography (IC)	PN-EN ISO 10304-1 ³⁾ PN-EN 12457-2 ³⁾
	Content of dissolved organic carbon ²⁾ High-Temperature Combustion and IR Detection	PN-EN 12457-2 ³⁾ PN-EN 1484 ³⁾
	Phenolic index ²⁾ Spectrophotometric method	PN-EN 12457-2 ³⁾ PN ISO 6439 ³⁾
	Content of dissolved solids ²⁾ Weight method	PN-EN 15216 ³⁾ PN-EN 12457-2 ³⁾
	Dry weight, humidity Range: (5– 99.9) % Weight method	PN-ISO 11465 ³⁾
	Total alkalinity (capability to neutralise ANC acids) Range: (150 – 50000) mg/kg CaCO ₃ Titration method potentiometric	PN-EN ISO 9963-1 ³⁾ PN-EN 12457-2 ³⁾

^{o)} waste codes according to the Ordinance of the Minister of Climate on the waste catalogue

Flexibility limits:

- ¹⁾ Addition of another feature within the test item / item group and testing technique
- ²⁾ Change of the measurement scope of the test method
- ³⁾ Application of updated standardized methods described in norms

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WESSLING Polska Sp. z o.o. Food Analysis Laboratory ul. Biskupińska 14, 30-732 Kraków		
Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Feeds	Content of reducing sugars and total sugars after inversion Range: (0.3 – 48.0) % (g/100g) Titration method (Luff-Schoorl)	Commission Regulation (EC) No. 152/2009 of January 27, 2009 Annex III J
	Raw oil and fat content Range: (1.0 – 20.0)% (g/100 g) Raw oil and fat content after hydrolysis Range: (5.0-30.0)% (g/100 g) Extraction-weight method	Commission Regulation (EC) No. 152/2009 of January 27, 2009 Annex III H
	Nitrogen content Range: (0.010 – 7.900) % Titration method (Kjeldahl) Raw protein content (as calculated)	Commission Regulation (EC) No. 152/2009 of January 27, 2009 Annex III C
Food concentrates	The content of ash insoluble in hydrochloric acid Range: (0.01 - 3.60)% (g/100 g) Weight method	PN-A-79011-8:1998
Feeds	Raw ash content Range: (1.30 - 23.00)% (g/100 g) Weight method	Commission Regulation (EC) No. 152/2009 of January 27, 2009 Annex III M
Herbs and spices	The content of ash insoluble in hydrochloric acid Range: (0.1 - 2.9)% (g/100 g) Weight method	PN-ISO 930:1999 ISO 930:1997
Tea	The content of ash insoluble in hydrochloric acid Range: (0.05 - 1.70)% (g/100 g) Weight method	PN-ISO 1577:1996 ISO 1577:1987
Cereals and processed cereal products	The content of ash insoluble in 10% hydrochloric acid Range: (0.02 - 5.00)% (g/100 g) Weight method	PN-A-74014:1994
Feeds	The content of ash insoluble in hydrochloric acid Range: (0.02 - 3.50)% (g/100 g) Weight method	Commission Regulation (EC) No. 152/2009 of January 27, 2009 Annex III N
Pastry products Processed fruits and vegetables Drinks Fruit and vegetable juices Meat and meat products Food concentrates Fish and processed fish products Milk and dairy products Delicatessen products	pH Range: (2.0 - 8.0) Potentiometric method	WES 1488 issue 01 of 01/10/2021
Feeds	The content of crude fiber Range: (0.1 - 25.0)% (g/100 g) Weight method	Commission Regulation (EC) No. 152/2009 of January 27, 2009 Annex III I
Processed fruits and vegetables Non-alcoholic drinks Fruit and vegetable juices Pastry products	The content of total extract Range: (3.0 - 82.0)% refractometric method	WES 1490 issue 01 of 01/10/2021
	The content of apparently dry weight Calculation method	

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Processed fruits and vegetables Liquid food concentrates Milk and dairy products Non-alcoholic drinks Fruit and vegetable juices	Density Range: (0.940 - 1.070) g/ml Pycnometric method	WES 1403 Issue 01 of 01/04/2021

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents	
Flexible scope of accreditation ^{1), 2), 3), 4), 5)}			
Food ¹⁾	Dietary fibre content ²⁾ Enzymatic-gravimetric method	NORMS /TEST PROCEDURES ^{3), 4)}	
	Content of reducing sugars and total sugars after inversion Titration method (Luff-Schoorl)	NORMS /TEST PROCEDURES ^{3), 4)}	
	Total fat content ²⁾ Extraction-weight method	NORMS /TEST PROCEDURES ^{3), 4)}	
	Nitrogen content ²⁾ Titration method (Kjeldahl)	NORMS /TEST PROCEDURES ^{3), 4)}	
	Protein content (as calculated)		
	Total fat content ²⁾ Extraction-weight method	NORMS /TEST PROCEDURES ^{3), 4)}	
	Total carbohydrate content / Content digestible carbohydrates Calculation method	TEST PROCEDURES ⁴⁾	
	Energy value Calculation method	TEST PROCEDURES ⁴⁾	
	Water content/ Dry weight content/ Moisture content and other volatile substances ²⁾ Weight method	NORMS /TEST PROCEDURES ^{3), 4)}	
	Water content/ Dry weight content/ Moisture content and other volatile substances Calculation method		
	Feeds	Water content ²⁾ Weight method	Commission Regulation (EC) No. 152/2009 of January 27, 2009 Annex III A ⁵⁾
		Dry weight content Calculation method	

Flexibility limits:

- ¹⁾ Addition of products tested within group of products tested
- ²⁾ Change of the measurement scope of the test method
- ³⁾ Use of updated and implementation of new methods described in the norms
- ⁴⁾ Use of updated and implementation of new methods described in the procedures developed by the laboratory
- ⁵⁾ Use of updated methods described in the legal regulation

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WESSLING Polska Sp. z o.o. Poznań Branch Microbiological Analysis Laboratory ul. Jasielska 7a, 60-476 Poznań		
Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Drinking water Water in swimming pools	Sampling for microbiological testing	PN EN ISO 19458:2007 with exclusion of items 4.4.2, 4.4.4, 4.4.5 and 4.4.6
Water Drinking water	The most likely count of coliform bacteria NPL method (Colilert 18)	PN-EN ISO 9308-2:2014-06
	The most likely count of Escherichia coli NPL method (Colilert 18)	
Drinking water	Count of Clostridium perfringens (with spores) Membrane filtration method	PN-EN ISO 14189:2016-10
	Sampling for chemical and physical testing Manual method Temperature of collected water sample Range: (0.5-70.0)°C	PN-ISO 5667-5:2017-10 WES 927-L/M issue 03 of 13/02/2019
	Specific electric conductivity <input checked="" type="checkbox"/> Range: (10 – 200000) µS/cm Conductometric method	PN-EN 27888:1999
	Free chlorine concentration <input checked="" type="checkbox"/> Range: (0.1 – 5.0) mg/l Total chlorine concentration <input checked="" type="checkbox"/> Range: (0.1 – 5.0) mg/l Colorimetric method	WES 921- L/M issue 02 of 27/04/2017 based on HACH 8021 and HACH 8167 methods
	Bound chlorine concentration (as calculated)	
	pH <input checked="" type="checkbox"/> Range: (2.0 – 12.0) Potentiometric method	PN-EN ISO 10523:2012
Water in swimming pools	Sampling for chemical and physical testing	WES 900-L/ M issue 03 of 17/04/2018
	Temperature of collected water sample Range: (0.5 – 70.0) °C	WES 927 - L/M issue 03 of 13/02/2019
	Free chlorine concentration <input checked="" type="checkbox"/> Range: (0.1 – 5.0) mg/l Total chlorine concentration <input checked="" type="checkbox"/> Range: (0.1 – 5.0) mg/l Colorimetric method	WES 921- L/M issue 02 of 27/04/2017 based on HACH 8021 and HACH 8167 methods
	Bound chlorine concentration (as calculated)	
	pH <input checked="" type="checkbox"/> Range: (2.0 – 12.0) Potentiometric method	PN-EN ISO 10523:2012
	Redox potential <input checked="" type="checkbox"/> (redox <i>rel. Ag/AgCl 3.5 mol KCl</i>) Range: (200 – 800) mV Potentiometric method	WES 926-L/ M issue 02 of 27/04/2017

testing/measurements taken in the field

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Environmental samples from the production and circulation of foods: -swab from the area delineated by a stencil -swab from an area not delineated by stencil, including hands -imprint from surface	Sampling from surface for microbiological testing	PN-EN ISO 18593:2018-08
Feeds	Presence of anaerobic spore-forming bacteria Culture and test tube method	PN-R-64791:1994
Food products	Net weight, drained weight, contribution of ingredients Range: Net weight: (1,00 – 3000,00) g Drained weight (1.00 – 2500.00) g Weight method Contribution of ingredients (as calculated)	WES 781 – L/M issue 01 of 19/02/2015
Meat and processed meat Milk and dairy products Poultry and poultry products Poultry carcasses: cuts	Campylobacter spp. count Plate method (surface inoculation)	PN-EN ISO 10272-2:2017-10
Meat and processed meat Fish and processed fish products Milk and dairy products Tea and coffee Fruits and vegetables Fruit, vegetable and vegetable-meat processed products Sweets and confectionery products Herbal raw materials and processed products Spices Oils, and fats, animal and vegetable Cereals and processed cereal products Delicatessen products Food concentrates Eggs and egg products Food additives Frozen foods Snacks	Listeria spp. count Plate method (surface inoculation)	PN-EN ISO 11290-2:2017-07
Meat and processed meat Fish and processed fish products Milk and dairy products Tea and coffee Fruits and vegetables Fruit, vegetable and vegetable-meat processed products Sweets and confectionery products Herbal raw materials and processed products Spices Oils, and fats, animal and vegetable Cereals and processed cereal products Delicatessen products Food concentrates Eggs and egg products Food additives Frozen foods Snacks	Presence of Listeria spp. up to 25g/ml Culture method with biochemical confirmation	PN-EN ISO 11290-1:2017-07

Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Environmental samples from the production and circulation of foods: swabs	Presence of <i>Listeria</i> spp. Culture method with biochemical verification	PN-EN ISO 11290-1:2017-07

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Flexible scope of accreditation ^{1), 2), 3)}		
Food ¹⁾	Presence of Salmonella bacilli ³⁾ Culture method with biochemical and serological verification	PN-EN ISO 6579 ²⁾
	Number of coagulase positive staphylococci (Staphylococcus aureus and other species) Plate method (surface inoculation)	PN-EN ISO 6888 ²⁾
	Number of coagulase positive staphylococci (Staphylococcus aureus and other species) Plate method (deep inoculation)	
	Number of coagulase positive staphylococci (Staphylococcus aureus and other species) Culture and test tube method	
	Coliform bacteria count Plate method (deep inoculation)	PN-ISO 4832 ²⁾
	Count of β -glucuronidase - positive Escherichia coli Plate method (deep inoculation)	PN-ISO 16649 ²⁾
	Listeria monocytogenes count Plate method (surface inoculation)	PN-EN ISO 11290 ²⁾
	Listeria monocytogenes presence Culture method with biochemical verification	
	Count of Enterobacteriaceae Plate method (deep inoculation)	PN-EN ISO 21528 ²⁾
	Count of Clostridium perfringens Plate method (deep inoculation)	PN-EN ISO 7937 ²⁾
	Count of sulphate (IV) reducing bacteria growing in anaerobic conditions Plate method (deep inoculation)	PN-ISO 15213 ²⁾
	Count of mesophilic lactic acid bacteria Plate method (deep inoculation)	PN-ISO 15214 ²⁾
	Presence of presumed Escherichia coli Culture and test tube method	PN-ISO 7251 ²⁾
	Coliform bacteria presence Culture and test tube method	PN-ISO 4831 ²⁾

Flexibility limits:

- ¹⁾ Addition of products tested within group of products tested
- ²⁾ Use of updated methods described in the standards/procedures developed by the laboratory
- ³⁾ Addition of another feature within the test item / item group and method (testing technique)

List of testing conducted as part of the flexible accreditation scope is made public by the accredited body.

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents	
Flexible scope of accreditation ^{1) 2)}			
Food ¹⁾	Count of presumed <i>Bacillus cereus</i> Plate method (surface inoculation)	PN-EN ISO 7932 ²⁾	
	Presence of <i>Salmonella</i> bacilli PCR method, BAX system	WES 480 – PPO PB 05 ²⁾	
	<i>Listeria monocytogenes</i> presence PCR method, BAX system	WES 481 – PPO PB 06 ²⁾	
	Count of presumed <i>Pseudomonas</i> spp. Plate method (surface inoculation)	PN-EN ISO 13720 ²⁾	
	Total count of microorganisms at 30 °C Plate method (deep inoculation)	PN-EN ISO 4833 ²⁾	
	Total count of microorganisms at 30 °C Plate method (surface inoculation)		
	Gluten content Range: (5 – 80) mg/kg ELISA immunoenzymatic method	WES 920 – PPO PB 14 ²⁾	
	Foods with water activity over 0.95 ¹⁾	Yeast and mould count Plate method (surface inoculation)	PN-ISO 21527 ²⁾
		Foods with water activity of or lower than 0.95 ¹⁾	Yeast and mould count Plate method (surface inoculation)
Foodstuffs ¹⁾ Poultry carcasses: cuts	Presence of <i>Salmonella</i> bacilli <i>Enteritidis</i> and <i>Salmonella</i> Typhimurium Culture method with biochemical and serological verification		PN-EN ISO 6579 ²⁾ White-Kauffmann-Le Minor scheme ²⁾
	Feeds	Presence of <i>Salmonella</i> bacilli up to 25g/ml Culture method with biochemical and serological verification	PN-EN ISO 6579 ²⁾
Number of coagulase positive staphylococci (<i>Staphylococcus aureus</i> and other species) Plate method (surface inoculation)		PN-EN ISO 6888 ²⁾	
Number of coagulase positive staphylococci (<i>Staphylococcus aureus</i> and other species) Plate method (deep inoculation)			
Coliform bacteria count Plate method (deep inoculation)		PN-ISO 4832 ²⁾	

Flexibility limits:

¹⁾ Addition of products tested within group of products tested

²⁾ Use of updated methods described in the standards/procedures developed by the laboratory

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents	
Flexible scope of accreditation ^{1), 2)}			
Feeds	Count of β -glucuronidase - positive Escherichia coli Plate method (deep inoculation)	PN-ISO 16649 ²⁾	
	Count of Enterobacteriaceae Plate method (deep inoculation)	PN-EN ISO 21528 ²⁾	
	Count of Clostridium perfringens Plate method (deep inoculation)	PN-EN ISO 7937 ²⁾	
	Count of sulphate (IV) reducing bacteria growing in anaerobic conditions Plate method (deep inoculation)	PN-ISO 15213 ²⁾	
	Count of mesophilic lactic acid bacteria Plate method (deep inoculation)	PN-ISO 15214 ²⁾	
	Count of presumed Bacillus cereus Plate method (surface inoculation)	PN-EN ISO 7932 ²⁾	
	Presence of Salmonella bacilli PCR method, BAX system	WES 480 – PPO PB 05 ²⁾	
	Yeast and mould count Plate method (surface inoculation)	PN-ISO 21527 ²⁾	
	Total count of microorganisms at 30 °C Plate method (deep inoculation)	PN-EN ISO 4833 ²⁾	
	Environmental samples from the production and circulation of foods ¹⁾	Number of coagulase positive staphylococci (Staphylococcus aureus and other species) Culture and test tube method	PN-EN ISO 6888 ²⁾
		Presence of presumed Escherichia coli Culture and test tube method	PN-ISO 7251 ²⁾
		Coliform bacteria presence Culture and test tube method	PN-ISO 4831 ²⁾
		Presence of Salmonella bacilli Culture method with biochemical and serological verification	PN-EN ISO 6579 ²⁾
Presence of Salmonella bacilli PCR method, BAX system		WES 480 – PPO PB 05 ²⁾	
Listeria monocytogenes presence PCR method, BAX system		WES 481 – PPO PB 06 ²⁾	

Flexibility limits:

¹⁾ Addition of products tested within group of products tested

²⁾ Use of updated methods described in the standards/procedures developed by the laboratory

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Flexible scope of accreditation ^{1) 2)}		
Environmental samples from the production and circulation of foods ¹⁾	Listeria monocytogenes presence Culture method with biochemical verification	PN-EN ISO 11290 ²⁾
	Total count of microorganisms at 30 °C Plate method (deep inoculation)	PN-EN ISO 4833 ²⁾
	Count of Enterobacteriaceae Plate method (deep inoculation)	PN-EN ISO 21528 ²⁾
	Total count of microorganisms at 30 °C Contact plate method	PN-EN ISO 4833 ²⁾ PN-EN ISO 18593 ²⁾
Environmental samples from the production and circulation of foods ¹⁾	Count of Enterobacteriaceae Contact plate method	PN-EN ISO 21528 ²⁾ PN-EN ISO 18593 ²⁾
	Presence of Salmonella bacilli PCR method, BAX system	WES 480 – PPO PB 05 ²⁾
Carcasses of animals for slaughter: swabs	Presence of Salmonella bacilli Culture method with biochemical and serological verification	PN-EN ISO 6579 ²⁾
	Total count of microorganisms at 30 °C Plate method (deep inoculation)	PN-EN ISO 4833 ²⁾
Carcasses of animals for slaughter ¹⁾	Count of Enterobacteriaceae Plate method (deep inoculation)	PN-EN ISO 21528 ²⁾
	Legionella bacteria count Matrix A; Procedure 5; Medium A-BCYE Matrix A; Procedure 7; Medium C-GVPC Matrix A; Procedure 7; Medium C-GVPC Range: from 1CFU/100ml; from 1CFU/1000ml Membrane filtration method	PN-EN ISO 11731 ²⁾
	Count of Clostridium perfringens Membrane filtration method	WES 476 – PPO PB 02 ²⁾
Water Drinking water	Count of coagulase positive staphylococci Membrane filtration method	WES 477 – PPO PB 04 ²⁾
	Pseudomonas aeruginosa count Membrane filtration method	PN-EN ISO 16266 ²⁾
	Total count of microorganisms at 22°C Plate method (deep inoculation)	PN-EN ISO 6222 ²⁾
	Total count of microorganisms at 36°C Plate method (deep inoculation)	
	Membrane filtration method	PN-EN ISO 7899 ²⁾
	Membrane filtration method	

Flexibility limits:

¹⁾ Addition of products tested within group of products tested

²⁾ Use of updated methods described in the standards/procedures developed by the laboratory

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Material/product tested	Type of activity/ parameter/characteristic tested	Reference documents
Flexible scope of accreditation ²⁾ ,		
Water Drinking water	Coliform bacteria count Membrane filtration method	PN-EN ISO 9308 ²⁾
	Escherichia coli count Membrane filtration method	
Water in swimming pools	Legionella bacteria count Matrix B; Procedure 7; Medium C-GVPC Range: from 1 CFU/100ml; Membrane filtration method	PN-EN ISO 11731 ²⁾
	Count of coagulase positive staphylococci Membrane filtration method	WES 477 – PPO PB 04 ²⁾
	Pseudomonas aeruginosa count Membrane filtration method	PN-EN ISO 16266 ²⁾
	Total count of microorganisms at 36 °C Plate method (deep inoculation)	PN-EN ISO 6222 ²⁾
	Escherichia coli count Membrane filtration method	PN-EN ISO 9308 ²⁾

Flexibility limits:

- ¹⁾ Use of updated methods described in the standards/procedures developed by the laboratory

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Summary of changes

Scope of Accreditation No AB 918

The status of the changes:

Page number	The current version of the page	This replaces the page revision	Date of change
24/40	B	A	22/04/2022