

Date

Reference

2023-03-03

2021/2613

Scope of accreditation

Testing laboratory according to SS-EN ISO/IEC 17025:2018

SGS Analytics Sweden AB

Karlstad

Accreditation number

1006

Karlstad

A001119-003

Biological examinations

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>
Water analysis	Toxicitet, Microtox	SS-EN ISO 11348-3, mod	Bioluminiscens	Fresh water	Yes	2	No
			Bioluminiscens	Sea water	Yes	2	No
			Bioluminiscens	Waste water/Leach water	Yes	2	No

Chemical analysis

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>
Water analysis	Aggressiv kolsyra	Std Methods 4500-CO2	Calculation	Drinking water	Yes	2	No
			Titration	Drinking water	Yes	2	No
	Alkalinity	SS-EN ISO 9963-2, mod	Titration	Fresh water	Yes	2	No
			Titration	Waste water/Leach water	Yes	2	No
			Ammonium as nitrogen	SS-EN ISO 11732	Flow analysis/Spectrometry	Drinking water	Yes
	Flow analysis/Spectrometry	Fresh water			Yes	2	No
	Biochemical oxygen demand, 7 days, BOD7	SS-EN ISO 5815-1/SS-EN ISO 5814	Flow analysis/Spectrometry	Waste water/Leach water	Yes	2	No
Electrode			Fresh water	Yes	2	No	

Date

Reference

2023-03-03

2021/2613

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Water analysis	Biochemical oxygen demand, 7 days, BOD7	SS-EN ISO 5815-1/SS-EN ISO 5814	Electrode	Waste water/Leach water	Yes	2	No
	Chemical oxygen demand, COD-Cr	ISO 15705	Photometry	Fresh water	Yes	2	No
			Photometry	Waste water/Leach water	Yes	2	No
	Chemical oxygen demand, COD-Mn	SS 028118	Titration	Drinking water	Yes	2	No
			Titration	Fresh water	Yes	2	No
	Colour	SS-EN ISO 7887, del C	Photometry	Drinking water	Yes	2	No
			Photometry	Fresh water	Yes	2	No
		SS-EN ISO 7887, del C, mod	Photometry	Drinking water	Yes	2	No
			Photometry	Fresh water	Yes	2	No
		SS-EN ISO 7887, del D	Komparator	Drinking water	Yes	2	No
			Komparator	Fresh water	Yes	2	No
	Komparator		Waste water/Leach water	Yes	2	No	
	Conductivity	SS-EN 27888	Electrode	Drinking water	Yes	2	No
			Electrode	Fresh water	Yes	2	No
			Electrode	Waste water/Leach water	Yes	2	No
	Dry matter	SS 028113	Gravimetry	Waste water/Leach water	Yes	2	No
	Kisel, molybdatreaktivt	Std Methods 4500 C, D, mod	Photometry	Drinking water	Yes	2	No
			Photometry	Fresh water	Yes	2	No
			Photometry	Sea water	Yes	2	No
	Nitrate nitrogen	SS-EN ISO 13395	Calculation	Drinking water	Yes	2	No
Calculation			Fresh water	Yes	2	No	
Calculation			Waste water/Leach water	Yes	2	No	

Date

Reference

2023-03-03

2021/2613

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>
Water analysis	Nitrite nitrogen	SS-EN ISO 13395	Flow analysis/Spectrometry	Drinking water	Yes	2	No
			Flow analysis/Spectrometry	Fresh water	Yes	2	No
			Flow analysis/Spectrometry	Waste water/Leach water	Yes	2	No
	Nitrite nitrogen and nitrate nitrogen	SS-EN ISO 13395	Flow analysis/Spectrometry	Fresh water	Yes	2	No
			Flow analysis/Spectrometry	Waste water/Leach water	Yes	2	No
	Nitrogen, total	SS-EN ISO 11905-1, mod	Flow analysis/Spectrometry	Fresh water	Yes	2	No
			Flow analysis/Spectrometry	Waste water/Leach water	Yes	2	No
	Odour	Inhouse method; MB045		Drinking water	Yes	2	No
	Oxygen, dissolved	SS-EN 25813	Titration	Drinking water	Yes	2	No
			Titration	Fresh water	Yes	2	No
			Titration	Waste water/Leach water	Yes	2	No
	pH	SS-EN ISO 10523	Electrode	Drinking water	Yes	2	No
Electrode			Fresh water	Yes	2	No	
Electrode			Waste water/Leach water	Yes	2	No	

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Water analysis	Phosphate phosphorous	SS-EN ISO 15681-2	Flow analysis/Spectrometry	Drinking water	Yes	2	No
			Flow analysis/Spectrometry	Fresh water	Yes	2	No
			Flow analysis/Spectrometry	Waste water/Leach water	Yes	2	No
	Phosphorous, total	SS-EN ISO 15681-2	Flow analysis/Spectrometry	Fresh water	Yes	2	No
			Flow analysis/Spectrometry	Waste water/Leach water	Yes	2	No
	Sulfid	SS 028115	Kolorimetri	Drinking water	Yes	2	No
			Kolorimetri	Fresh water	Yes	2	No
		SS 028117	Kolorimetri	Waste water/Leach water	Yes	2	No
	Suspended solids	SS-EN 872	Gravimetry	Fresh water	Yes	2	No
			Gravimetry	Waste water/Leach water	Yes	2	No
	Transmittans	NS 9462	Photometry	Drinking water	Yes	2	No
			Photometry	Fresh water	Yes	2	No
	Turbidity	SS-EN ISO 7027-1	Nephelometry	Drinking water	Yes	2	No
			Nephelometry	Fresh water	Yes	2	No
			Nephelometry	Waste water/Leach water	Yes	2	No

Microbiological analysis

Date

Reference

2023-03-03

2021/2613

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Food analysis	Aerobic microorganisms	NMKL 86		Food	Yes	2	No
	Clostridium perfringens	NMKL 95		Food	Yes	2	No
	Coagulase positive staphylococci	NMKL 66, mod		Food	Yes	2	No
	Enterobacteriaceae	NMKL 144		Food	Yes	2	No
	Enterococcus	NMKL 68		Food	Yes	2	No
	Escherichia coli	NMKL 125, mod		Food	Yes	2	No
	Listeria monocytogenes, qualitative	VIDAS Xpress LMX		Food	Yes	2	No
	Listeria monocytogenes, quantitative	NMKL 136		Food	Yes	2	No
	Moulds and yeasts	NMKL 98		Food	Yes	2	No
	Presumptive Bacillus cereus	NMKL 67		Food	Yes	2	No
	Salmonella	NMKL 71		Food	Yes	2	No
		VIDAS SLM		Food	Yes	2	No
		VIDAS® UP Salmonella (SPT)		Food	Yes	2	No
Molecular biology	Legionella pneumophila & species	BioRad iQ-Check	PCR	Drinking water	Yes	2	No
			PCR	Fresh water	Yes	2	No
Water analysis	Actinomycetes	SS 028212		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
	Coliform bacteria	SS 028167		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
				Waste water/Leach water	Yes	2	No
		SS-EN ISO 9308-2		Drinking water	Yes	2	No
			Fresh water	Yes	2	No	

Date

Reference

2023-03-03

2021/2613

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Water analysis	Escherichia coli	SS 028167		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
				Waste water/Leach water	Yes	2	No
		SS 028167, mod / SS-EN ISO 9308-1		Drinking water	Yes	2	No
			SS-EN ISO 9308-2		Drinking water	Yes	2
				Fresh water	Yes	2	No
	Intestinal enterococci	SS-EN ISO 7899-2		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
				Sea water	Yes	2	No
				Waste water/Leach water	Yes	2	No
	Legionella	SS-EN ISO 11731		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
		SS-EN ISO 11731 / SS-EN ISO 11731-2		Fresh water	Yes	2	No
		SS-EN ISO 11731-2		Drinking water	Yes	2	No
			Fresh water	Yes	2	No	
	Microfungi, membrane filtration	SS 028192		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
	Presumptive Clostridium perfringens	SS-EN ISO 14189		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
	Pseudomonas aeruginosa	SS-EN ISO 16266		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
Salmonella	SS-EN ISO 19250		Drinking water	Yes	2	No	
			Fresh water	Yes	2	No	
			Sea water	Yes	2	No	

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2023-03-03

2021/2613

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Water analysis	Salmonella	SS-EN ISO 19250		Waste water/Leach water	Yes	2	No
	Slowgrowing bacteria 22°C 7d	SS-EN ISO 6222, mod		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
	Somatiska kolifager	SS-EN ISO 10705-2		Waste water/Leach water	Yes	2	No
				Drinking water	Yes	2	No
				Fresh water	Yes	2	No
	Thermotolerant coliform bacteria	SS 028167		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
				Waste water/Leach water	Yes	2	No
	Total count of culturable bacteria 35°C, 2 days	SS-EN ISO 6222		Fresh water	Yes	2	No
	Total count of culturable micro-organisms 22°C, 3 days	SS-EN ISO 6222		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
	Total count of culturable micro-organisms 30°C, 2 days	SS-EN ISO 6222		Fresh water	Yes	2	No
	Total count of culturable micro-organisms 36°C, 1 day	SS-EN ISO 6222, mod		Drinking water	Yes	2	No
				Fresh water	Yes	2	No
Total count of culturable micro-organisms 36°C, 2 days	SS-EN ISO 6222		Drinking water	Yes	2	No	
			Fresh water	Yes	2	No	

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2021/2613

Changes in the scope of accreditation are in bold.

The scope of accreditation is flexible as specified in this decision. The accredited body must always retain a current list of the scope for which it is accredited.

Type of flexible scope

1: - Introduce new version of standard method and make editorial changes to non-standard method

2: - Introduce new version of standard method and make editorial changes to non-standard method - Introduce new version and modifications of non-standard method. The procedure must be equivalent - Introduce new parameter/component/characteristics - Introduce new measurement range - Introduce new material/new products/matrices - Introduce new method equivalent to methods already in the accreditation decision