SWEDAC
Styrelsen för ackreditering och teknisk kontroll
Swedish Board for Accreditation and Conformity Assessment

Appendix 1

Date: 2025-02-21

Reference: 2023/2536

Scope of accreditation

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

ALS Scandinavia AB | Danderyd | Accreditation number | 2030

Stockholm | *A003219-005*

Chemical analysis

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
	Asbestos, identification	SS ISO 22262-1	SEM-EDX	Construction products	Yes	2
	Numerical concentration of inorganic fibers	ISO 14966	SEM-EDX	Air	Yes	2
Inorganic chemistry	Antimony, Sb	SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Arsenic, As	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Barium, Ba	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Cadmium, Cd	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2

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Chemical analysis

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
Inorganic chemistry	Chromium, Cr	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Cobalt, Co	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Copper, Cu	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Iron, Fe	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Lead, Pb	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2

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Chemical analysis

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
Inorganic chemistry	Manganese, Mn	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Mercury, Hg	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Nickel, Ni	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Sulfur, total	SS-ISO 15178	Combustion	Rock	Yes	2
	Vanadium, V	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
	Zinc, Zn	SS-EN ISO 17294-2/SS 028150	ICP-MS	Construction products	Yes	2
			ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2
		SS-EN ISO 17294-2/SS-EN 54321	ICP-MS	Sludges/sediments	Yes	2
			ICP-MS	Soil	Yes	2

Chemical analysis

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
Organic chemistry	Aliphatic hydrocarbons	EPA Method 5021	GC-MS, headspace	Drinking water	Yes	2
			GC-MS, headspace	Fresh water	Yes	2
			GC-MS, headspace	Sludges/sediments	Yes	2
			GC-MS, headspace	Soil	Yes	2
			GC-MS, headspace	Waste water/Leach water	Yes	2
	BTEX	EPA Method 5021	GC-MS, headspace	Drinking water	Yes	2
			GC-MS, headspace	Fresh water	Yes	2
			GC-MS, headspace	Sludges/sediments	Yes	2
			GC-MS, headspace	Soil	Yes	2
			GC-MS, headspace	Waste water/Leach water	Yes	2
	Carbon, volatile organic carbon, (VOC)	SS-EN ISO 10301	GC-MS, headspace	Drinking water	Yes	2
			GC-MS, headspace	Fresh water	Yes	2
			GC-MS, headspace	Waste water/Leach water	Yes	2

Chemical analysis

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
Organic chemistry	Carbon, volatile organic carbon, (VOC)	SS-EN ISO 22155	GC-MS, headspace	Sludges/sediments	Yes	2
			GC-MS, headspace	Soil	Yes	2
	Hydrocarbon oilindex	SS-EN ISO 9377-2	GC-FID	Drinking water	Yes	2
			GC-FID	Fresh water	Yes	2
			GC-FID	Waste water/Leach water	Yes	2
	Hydrocarbon oilindex (C10-C40)	SS-EN ISO 16703, mod	GC-FID	Sludges/sediments	Yes	2
			GC-FID	Soil	Yes	2
	MTBE	EPA Method 5021	GC-MS, headspace	Drinking water	Yes	2
			GC-MS, headspace	Fresh water	Yes	2
			GC-MS, headspace	Sludges/sediments	Yes	2
			GC-MS, headspace	Soil	Yes	2
			GC-MS, headspace	Waste water/Leach water	Yes	2
Organic contaminants and pesticides	Aliphatic hydrocarbons	SPIMFAB	GC-MS	Construction products	Yes	2
			GC-MS	Drinking water	Yes	2
			GC-MS	Fresh water	Yes	2
			GC-MS	Sludges/sediments	Yes	2
			GC-MS	Soil	Yes	2
			GC-MS	Waste water/Leach water	Yes	2

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Chemical analysis

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
Organic contaminants and pesticides	Aromatic hydrocarbons	SPIMFAB	GC-MS	Construction products	Yes	2
			GC-MS	Drinking water	Yes	2
			GC-MS	Fresh water	Yes	2
			GC-MS	Sludges/sediments	Yes	2
			GC-MS	Soil	Yes	2
			GC-MS	Waste water/Leach water	Yes	2
	PAH	**ISO 28540**	**GC-MS**	**Drinking water**	**Yes**	**2**
			GC-MS	**Fresh water**	**Yes**	**2**
			GC-MS	**Waste water/Leach water**	**Yes**	**2**
		SPIMFAB	GC-MS	Construction products	Yes	2
			GC-MS	Drinking water	Yes	2
			GC-MS	Fresh water	Yes	2
			GC-MS	Sludges/sediments	Yes	2
			GC-MS	Soil	Yes	2
			GC-MS	Waste water/Leach water	Yes	2
		SS-ISO 18287	GC-MS	Asphalt	Yes	2
			GC-MS	Construction products	Yes	2
			GC-MS	Sludges/sediments	Yes	2
			GC-MS	Soil	Yes	2
	PCB	SS-EN 17322	GC-MS	Sludges/sediments	Yes	2
			GC-MS	Soil	Yes	2

Chemical analysis

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
Organic contaminants and pesticides	**PFAS**	**US EPA 533**	**HPLC-MS/MS**	**Sludges/sediments**	**Yes**	**2**
			HPLC-MS/MS	**Soil**	**Yes**	**2**
			LC-MS	Drinking water	Yes	2
			LC-MS	Fresh water	Yes	2
			LC-MS	Waste water/Leach water	Yes	2
Water analysis	Alkalinity	SS-EN ISO 9963-2	Titration	Drinking water	Yes	2
			Titration	Fresh water	Yes	2
	Chloride	ISO 15923-1	Discrete analysis/Photometry	Drinking water	Yes	2
			Discrete analysis/Photometry	Fresh water	Yes	2
			Discrete analysis/Photometry	Waste water/Leach water	Yes	2
	Conductivity	SS-EN 27888	Electrode	Drinking water	Yes	2
			Electrode	Fresh water	Yes	2
			Electrode	Waste water/Leach water	Yes	2
	Dry matter	SS-EN 15934	Gravimetry	Sludges/sediments	Yes	2
			Gravimetry	Soil	Yes	2
	Fluoride	ISO 10359-1	Ion selective electrode	Drinking water	Yes	2
			Ion selective electrode	Fresh water	Yes	2
			Ion selective electrode	Waste water/Leach water	Yes	2

Chemical analysis

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
Water analysis	Nitrite nitrogen	ISO 15923-1	Discrete analysis/Photometry	Drinking water	Yes	2
			Discrete analysis/Photometry	Fresh water	Yes	2
			Discrete analysis/Photometry	Waste water/Leach water	Yes	2
	Nitrogen, total, TNb	SS-EN ISO 20236	Combustion	Drinking water	Yes	2
			Combustion	Fresh water	Yes	2
			Combustion	Waste water/Leach water	Yes	2
	Odour	Inhouse method; SOP-0524		Drinking water	Yes	2
				Fresh water	Yes	2
	pH	SS-EN ISO 10523	Electrode	Drinking water	Yes	2
			Electrode	Fresh water	Yes	2
			Electrode	Waste water/Leach water	Yes	2
	Residue of ignition	SS-EN 15935	Gravimetry	Sludges/sediments	Yes	2
			Gravimetry	Soil	Yes	2
	Sulfate	ISO 15923-1	Discrete analysis/Photometry	Drinking water	Yes	2
			Discrete analysis/Photometry	Fresh water	Yes	2
			Discrete analysis/Photometry	Waste water/Leach water	Yes	2

Chemical analysis

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
Water analysis	Suspended solids	SS-EN 872	Gravimetry	Fresh water	Yes	2
			Gravimetry	Sea water	Yes	2
			Gravimetry	Waste water/Leach water	Yes	2
	Suspended solids, Residue of ignition	SS 028112	Gravimetry	Fresh water	Yes	2
			Gravimetry	Waste water/Leach water	Yes	2
	Total organic carbon, TOC	SS-EN 1484	Combustion	Drinking water	Yes	2
			Combustion	Fresh water	Yes	2
			Combustion	Waste water/Leach water	Yes	2
	Turbidity	SS-EN ISO 7027		Drinking water	Yes	2
				Fresh water	Yes	2

Occupational and Environmental Medicine

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*
	Dust	Inhouse method TKI103	Gravimetry	Filter	Yes	2

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