

Date

Reference

2022-05-09

2021/977

## Scope of accreditation

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

MoRe Research Örnsköldsvik AB

Örnsköldsvik

Accreditation number

10217

A013682-001

## Chemical analysis

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Measure</i>	<i>Material</i>	<i>Field</i>
Inorganic chemistry	Calcium, Ca	SS 028161, utg 2	AAS	0,5 – 5 mg/l	Fresh water	No
	Magnesium, Mg	SS 028161, utg 2	AAS	0,1 – 1 mg/l	Fresh water	No
Water analysis	Alkalinity	SS-EN ISO 9963-2, utg 1	Titration	0,01 – 4 mmol/l	Fresh water	No
	Ammonium as nitrogen	SS-EN ISO 11732:2005	Flow analysis/Spectrometry	0,01 – 10 mg/l	Fresh water	No
			Flow analysis/Spectrometry	0,01 – 10 mg/l	Sea water	No
			Flow analysis/Spectrometry	0,01 – 10 mg/l	Waste water/Leach water	No
	Biochemical oxygen demand, 7 days, BOD7	SS-EN ISO 5815-1:2019/SS-EN ISO 5814:2012	Electrode	> 4 mg/l	Fresh water	No
			Electrode	> 4 mg/l	Waste water/Leach water	No
	Chemical oxygen demand, COD-Cr	Hach Lange LCK 814	Photometry	30 – 1000 mg/l	Fresh water	No
			Photometry	30 – 1000 mg/l	Sea water	No
			Photometry	30 – 1000 mg/l	Waste water/Leach water	No
	Colour	SS-EN ISO 7887:2012, del C, mod	Photometry	5 – 500 mg/l Pt	Fresh water	No
Photometry			5 – 500 mg/l Pt	Sea water	No	

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Water analysis	Conductivity	SS-EN 27888, utg 1	Electrode	1 – 280 mS/m	Fresh water	No
			Electrode	1 – 280 mS/m	Sea water	No
			Electrode	1 – 280 mS/m	Waste water/Leach water	No
	Dry matter	SS 028113, utg 1	Gravimetry	> 20 mg/l	Sludges/sediments	No
			Gravimetry	> 20 mg/l	Waste water/Leach water	No
	Iron, Fe	SS 028129, utg 1	Photometry	0,040-1,00 mg/l	Fresh water	No
			Photometry	0,040-1,00 mg/l	Waste water/Leach water	No
	Nitrogen, total	SS-EN ISO 11905-1:1998	Flow analysis/Spectrometry	0,1 – 5,0 mg/l	Fresh water	No
			Flow analysis/Spectrometry	0,1 – 5,0 mg/l	Sea water	No
			Flow analysis/Spectrometry	0,1 – 5,0 mg/l	Waste water/Leach water	No
	Oxygen, dissolved	SS-EN 25813, utg 1	Titration	0,2 – 20 mg/l	Fresh water	No
			Titration	0,2 – 20 mg/l	Sea water	No
	pH	Water quality - Determination of pH (ISO 10523:2008)	Electrode	3-11 pH-enheter	Fresh water	No
			Electrode	3-11 pH-enheter	Sea water	No
			Electrode	3-11 pH-enheter	Waste water/Leach water	No
Phosphate phosphorous	SS-EN ISO 6878:2005, mod	Photometry	0,005 – 0,8 mg/l	Fresh water	No	

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Water analysis	Phosphate phosphorous	SS-EN ISO 6878:2005, mod	Photometry	0,005 – 0,8 mg/l	Sea water	No
			Photometry	0,005 – 0,8 mg/l	Waste water/Leach water	No
	Phosphorous, total	SS-EN ISO 6878:2005	Photometry	0,005 – 0,8 mg/l	Fresh water	No
			Photometry	0,005 – 0,8 mg/l	Sea water	No
			Photometry	0,005 – 0,8 mg/l	Waste water/Leach water	No
	Residue of ignition	SS 028113, utg 1	Gravimetry	> 20 mg/l	Sludges/sediments	No
			Gravimetry	> 20 mg/l	Waste water/Leach water	No
	Suspended solids	SS-EN 872:2005	Gravimetry	> 5 mg/l	Waste water/Leach water	No
	Suspended solids, Residue of ignition	SS 028112, utg 3, mod	Gravimetry	> 5 mg/l	Waste water/Leach water	No
	Total organic carbon, TOC	Hach Lange LCK 385	Photometry	4 – 30 mg/l	Fresh water	No
			Photometry	4 – 30 mg/l	Sea water	No
			Photometry	4 – 30 mg/l	Waste water/Leach water	No
		Hach Lange LCK 386	Photometry	30 – 300 mg/l	Fresh water	No
			Photometry	30 – 300 mg/l	Sea water	No
Photometry			30 – 300 mg/l	Waste water/Leach water	No	

Changes in the scope of accreditation are in bold.