

ACKREDITERINGSCERTIFIKAT/ACCREDITATION CERTIFICATE



Akkred. nr 1083
Testing
ISO/IEC 17025

SSAB EMEA AB
Kemiskt laboratorium
Registration number 556313-7933

är ackrediterat som provningslaboratorium för uppgifter enligt bilaga 1 i beslut daterat 2021-01-25/is
accredited as a testing laboratory for the scope specified in appendix 1 to decision dated 2021-01-25.

Laboratoriet är ackrediterat enligt den internationella standarden ISO/IEC 17025:2017. Ackrediteringen innebär att Det ackrediterade laboratoriet har bedömts ha erforderlig kompetens och att opartiskt och konsekvent utföra ackrediterade tjänster inom de områden som definieras i bilaga 1 enligt ovan. Det ackrediterade laboratoriet ansvarar för resultat av utförd provning./This laboratory is accredited to the International Standard ISO/IEC 17025:2017. The accreditation is a recognition of the competence for and consistent performance and impartiality in the provision of the services defined in appendix 1. The accredited laboratory is responsible for the outcome of performed testing.

Akkrediteringen gäller tillsvidare. Styrelsen för ackreditering och teknisk kontroll (Swedac) genomför regelbundet tillsyn, och vart fjärde år en förnyad bedömning, för att bekräfta att gällande krav för ackrediteringen kontinuerligt uppfylls./The accreditation is valid until further notice. The Swedish Board for Accreditation and Conformity Assessment (Swedac) regularly carries out surveillance, and a full reassessment every fourth year, in order to verify that the applicable requirements for accreditation continuously are fulfilled.

Detta ackrediteringscertifikat utfärdades 2021-01-25/This accreditation certificate was issued 2021-01-25

Helen Nyman,
Enhetschef enheten för miljö och hälsa/Division Manager of the Health and Environment Division

Beslutet om ackreditering utfärdades med stöd av artikel 5.1 i Europaparlamentets och rådets förordning (EG) nr 765/2008 om krav för ackreditering och marknadskontroll m.m. och lagen (2011:791) om ackreditering och teknisk kontroll. Swedac är nationellt ackrediteringsorgan ansvarigt för bedömning av certifieringsorgan, kontrollorgan, laboratorier, miljökontrollanter, verifierings-/valideringsorgan och arrangerar av program för kompetensprövning som ansöker om ackreditering. Den här ackrediteringen har utfärdats under EA:s MLA-avtal och kan därmed betraktas som likvärdig andra ackrediteringar under EA:s MLA-avtal med samma ackrediteringsomfattning./Accreditation was granted in accordance with Article 5 (1) of Regulation (EC) No 765/2008 regarding accreditation and market surveillance etc. and the Act (SFS 2011:791) concerning Accreditation and Conformity Assessment. Swedac is the Swedish national accreditation body responsible for the assessment of certification bodies, inspection bodies, laboratories, environmental verifiers, validation and verification bodies and bodies for providing programme for proficiency testing applying for accreditation. This accreditation has been issued under the EA MLA and is therefore recognised as equivalent to other accreditations with the same scope of accreditation issued under the EA MLA.

Health and environment division
Karin Lindholm
Direktnr: +46 33 170828
E-post: karin.lindholm@swedac.se

SSAB EMEA AB
Kemiskt laboratorium

613 80 Oxelösund

Decision on changed accreditation

(2 appendices)

Decision

The Swedish Board for Accreditation and Conformity Assessment (Swedac) decides to change the accreditation of SSAB EMEA AB (registration number 556313-7933) in accordance with the application/notification dated 2020-06-15, case file 2019/2743. The issued accreditation is of the scope detailed in Appendix 1. This decision replaces previous decisions dated 2019-06-11, case file 2018/1878.

The accreditation is valid until further notice.

Basis for decision

SSAB EMEA AB has applied for changed accreditation as a testing laboratory. Based on the performed assessment of SSAB EMEA AB it is Swedac's judgment that SSAB EMEA AB fulfils the accreditation requirements for the scope of accreditation detailed in Appendix 1.

Information concerning requirements for accreditation

An accredited body is obliged continuously to fulfil the requirements for accreditation. Failing this, Swedac may decide to withdraw the accreditation. The applicable requirements for your accreditation are detailed at www.swedac.se (<https://search.swedac.se/en/accreditations>).

Swedac performs surveillance of the accredited activities in accordance with its regulations for accreditation. The cost of the surveillance activities are borne by the accredited bodies through the payment of an annual accreditation fee. The fee regulations currently applicable are found at www.swedac.se.

Applications for extension or reduction of the scope of accreditation shall be submitted to Swedac. The application forms currently applicable are found at www.swedac.se.

This decision has been taken by the division manager Helen Nyman after a hearing, detailing the pertinent particular circumstances, with case officer Karin Lindholm.

Helen Nyman

Appendices

1. Scope of Accreditation
Accreditation Certificate

Please notice that this is a translation. In case of any discrepancies between the English version and the original Swedish version the latter shall prevail.

Date

2021-01-25

Appendix 1

Reference

2019/2743

Scope of accreditation

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

SSAB EMEA AB

Oxelösund

Accreditation number

1083

Kemiskt laboratorium

A001897-001

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	Aluminium, Al	ASTM E415:2017, mod	OES	0,002-0,2 %	Steel	No
	Antimony, Sb	ASTM E415:2017, mod	OES	0,003-0,1 %	Steel	No
	Arsenic, As	ASTM E415:2017, mod	OES	0,002-0,1 %	Steel	No
	Boron, B	ASTM E415:2017, mod	OES	0,0002-0,011 %	Steel	No
	Cadmium, Cd	SS-EN ISO 11885:2009/SS-EN ISO 15587-2:2002	ICP-AES	> 0,003 mg/l	Drinking water	No
			ICP-AES	> 0,003 mg/l	Fresh water	No
			ICP-AES	> 0,003 mg/l	Sea water	No
			ICP-AES	> 0,003 mg/l	Waste water/Leach water	No
	Calcium, Ca	ASTM E415:2017, mod	OES	0,0003-0,012 %	Steel	No
	Carbon, C	ASTM E1019:2018	Combustion	0,02 – 1 %	Steel	No
			Combustion	1 – 6 %	Iron/Iron alloys	No
		ASTM E415:2017, mod	OES	0,002-1 %	Steel	No
Chromium, Cr	ASTM E415:2017, mod	OES	0,002-4,8 %	Steel	No	

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Measure</i>	<i>Material</i>	<i>Field</i>	
Inorganic chemistry	Chromium, Cr	SS-EN ISO 11885:2009/SS-EN ISO 15587-2:2002	ICP-AES	> 0,003 mg/l	Drinking water	No	
			ICP-AES	> 0,003 mg/l	Fresh water	No	
			ICP-AES	> 0,003 mg/l	Sea water	No	
			ICP-AES	> 0,003 mg/l	Waste water/Leach water	No	
	Cobalt, Co	ASTM E415:2017, mod	OES	0,001-0,2 %	Steel	No	
	Copper, Cu	ASTM E415:2017, mod	OES	0,002-1 %	Steel	No	
			SS-EN ISO 11885:2009/SS-EN ISO 15587-2:2002	ICP-AES	> 0,003 mg/l	Drinking water	No
				ICP-AES	> 0,003 mg/l	Fresh water	No
				ICP-AES	> 0,003 mg/l	Sea water	No
	Iron, Fe	SS-EN ISO 11885:2009/SS-EN ISO 15587-2:2002	ICP-AES	> 0,004 mg/l	Drinking water	No	
			ICP-AES	> 0,004 mg/l	Fresh water	No	
			ICP-AES	> 0,004 mg/l	Sea water	No	
			ICP-AES	> 0,004 mg/l	Waste water/Leach water	No	
	Lead, Pb	ASTM E415:2017, mod	OES	0,005-0,016 %	Steel	No	
			SS-EN ISO 11885:2009/SS-EN ISO 15587-2:2002	ICP-AES	> 0,004 mg/l	Drinking water	No
				ICP-AES	> 0,004 mg/l	Fresh water	No
				ICP-AES	> 0,004 mg/l	Sea water	No
	Manganese, Mn	ASTM E415:2017, mod	OES	0,002-3 %	Steel	No	
			SS-EN ISO 11885:2009/SS-EN ISO 15587-2:2002	ICP-AES	> 0,003 mg/l	Drinking water	No
				ICP-AES	> 0,003 mg/l	Fresh water	No
ICP-AES				> 0,003 mg/l	Sea water	No	
		ICP-AES	> 0,003 mg/l	Waste water/Leach water	No		

Date

Reference

2021-01-25

2019/2743

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Measure</i>	<i>Material</i>	<i>Field</i>	
Inorganic chemistry	Molybdenum, Mo	ASTM E415:2017, mod	OES	0,002-1 %	Steel	No	
	Nickel, Ni	ASTM E415:2017, mod	OES	0,002-3 %	Steel	No	
			SS-EN ISO 11885:2009/SS-EN ISO 15587-2:2002	ICP-AES	> 0,003 mg/l	Drinking water	No
			ICP-AES	> 0,003 mg/l	Fresh water	No	
			ICP-AES	> 0,003 mg/l	Sea water	No	
	ICP-AES	> 0,003 mg/l	Waste water/Leach water	No			
	Niob, Nb	ASTM E415:2017, mod	OES	0,001-0,2 %	Steel	No	
	Nitrogen, N	ASTM E1019:2018	Combustion	0,0015-0,02%	Steel	No	
	Phosphorus, P	ASTM E415:2017, mod	OES	0,002-0,1 %	Steel	No	
	Silicon, Si	ASTM E415:2017, mod	OES	0,002-3 %	Steel	No	
	Sulfur, S	ASTM E415:2017, mod	OES	0,001-0,12 %	Steel	No	
	Tin, Sn	ASTM E415:2017, mod	OES	0,002-0,1 %	Steel	No	
	Titanium, Ti	ASTM E415:2017, mod	OES	0,001-0,25 %	Steel	No	
	Tungsten, W	ASTM E415:2017, mod	OES	0,002-0,5 %	Steel	No	
	Vanadium, V	ASTM E415:2017, mod	OES	0,001-0,5 %	Steel	No	
SS-EN ISO 11885:2009/SS-EN ISO 15587-2:2002			ICP-AES	> 0,004 mg/l	Drinking water	No	
ICP-AES			> 0,004 mg/l	Fresh water	No		
ICP-AES			> 0,004 mg/l	Sea water	No		
ICP-AES	> 0,004 mg/l	Waste water/Leach water	No				

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Measure</i>	<i>Material</i>	<i>Field</i>
Inorganic chemistry	Zinc, Zn	SS-EN ISO 11885-2009/SS-EN ISO 15587-2:2002	ICP-AES	> 0,004 mg/l	Drinking water	No
			ICP-AES	> 0,004 mg/l	Fresh water	No
			ICP-AES	> 0,004 mg/l	Sea water	No
			ICP-AES	> 0,004 mg/l	Waste water/Leach water	No
	Zirconium, Zr	ASTM E415:2017, mod	OES	0,002-0,1 %	Steel	No
Sampling	Avloppsvatten, provtagning	SS 028148, utg 1				Yes
	Dricks- och badvatten, provtagning, kemi	SS 028185, utg 1/ISO 5667-5:2006				Yes
	Grundvatten, provtagning	ISO 5667-11:2009				Yes
	Marina vatten, provtagning	ISO 5667-9:1992				Yes
	Sjöar, provtagning	ISO 5667-4:2016				Yes
Water analysis	Ammonium as nitrogen	Std Methods 4500-NH3 B/E	Titration	5-120 mg/l	Waste water/Leach water	No
	Conductivity	SS-EN 27888, utg 1	Electrode	1 – 2000 mS/m	Drinking water	No
			Electrode	1 – 2000 mS/m	Fresh water	No
			Electrode	1 – 2000 mS/m	Sea water	No
			Electrode	1 – 2000 mS/m	Waste water/Leach water	No
	Cyanide, accessible	SS 028177, utg 1	Photometry	0,01 – 0,25 mg/l	Waste water/Leach water	No
	Cyanide, total	SS 028176, utg 1	Photometry	0,01 – 0,25 mg/l	Waste water/Leach water	No
	Nitrate nitrogen	Hach Lange LCK 339	Photometry	0,23 - 13,5 mg/l	Waste water/Leach water	No
		Hach Lange LCK 340	Photometry	5,0 - 35 mg/l	Waste water/Leach water	No
Nitrite nitrogen	Hach Lange LCK 342	Photometry	0,6 - 6 mg/l	Waste water/Leach water	No	

Date

2021-01-25

Appendix 1

Reference

2019/2743

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Measure</i>	<i>Material</i>	<i>Field</i>
Water analysis	pH	Water quality - Determination of pH (ISO 10523:2008)	Electrode	4-10 pH-enheter	Drinking water	No
			Electrode	4-10 pH-enheter	Fresh water	No
			Electrode	4-10 pH-enheter	Sea water	No
			Electrode	4-10 pH-enheter	Waste water/Leach water	No
	Phenols	SS 028128, utg 1	Photometry	0,1-3,0 mg/l	Waste water/Leach water	No
	Suspended solids	SS-EN 872:2005	Gravimetry	> 1 mg/l	Fresh water	No
			Gravimetry	> 1 mg/l	Sea water	No
			Gravimetry	> 1 mg/l	Waste water/Leach water	No
	Tiocyanat	SS 028177, utg 1	Photometry	0,05 – 0,4 mg/l	Waste water/Leach water	No
	Total organic carbon, TOC	Hach Lange LCK 385	Photometry	10 – 30 mg/l	Waste water/Leach water	No
Hach Lange LCK 386		Photometry	30 – 300 mg/l	Waste water/Leach water	No	

Changes in the scope of accreditation are in bold.