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

Appendix 1

Date: 2025-06-13

Reference: 2025/101

Scope of accreditation

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

Alleima Tube AB | Sandviken | Accreditation number | 1636

Analyslaboratoriet, 4380 | *A001539-001*

Chemical analysis

Inorganic chemistry

Method	*Parameter*	*Technique*	*Measure*	*Material*	*Flex*	*Type of flex*	*Field*
ASTM E1019	**Carbon, C**	**Combustion**	**0,003 – 0,25 wt %**	**Iron/Iron alloys**	**Yes**	**1**	**No**
		Combustion	**0,003 – 0,25 wt %**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
		Combustion	**0,003 – 0,25 wt %**	**Steel**	**Yes**	**1**	**No**
	Nitrogen, N	**Combustion**	**0,001 – 0,6 wt %**	**Iron/Iron alloys**	**Yes**	**1**	**No**
		Combustion	**0,001 – 0,6 wt %**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
		Combustion	**0,001 – 0,6 wt %**	**Steel**	**Yes**	**1**	**No**
	Sulfur, S	**Combustion**	**0,0005 – 0,030 wt %**	**Iron/Iron alloys**	**Yes**	**1**	**No**
		Combustion	**0,0005 – 0,030 wt %**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
		Combustion	**0,0005 – 0,030 wt %**	**Steel**	**Yes**	**1**	**No**
ASTM E1085, mod	**Chromium, Cr**	**XRF**	**0,01 – 10 wt %**	**Steel**	**Yes**	**1**	**No**
	Copper, Cu	**XRF**	**0,03 – 0,6 wt %**	**Steel**	**Yes**	**1**	**No**
	Manganese, Mn	**XRF**	**0,01 – 1,5 wt %**	**Steel**	**Yes**	**1**	**No**
	Molybdenum, Mo	**XRF**	**0, 01 – 1,5 wt %**	**Steel**	**Yes**	**1**	**No**
	Nickel, Ni	**XRF**	**0,01 – 3,0 wt %**	**Steel**	**Yes**	**1**	**No**
	Phosphorus, P	**XRF**	**0,003 – 0,08 wt %**	**Steel**	**Yes**	**1**	**No**
	Silicon, Si	**XRF**	**0,01 – 1,5 wt %**	**Steel**	**Yes**	**1**	**No**
	Vanadium, V	**XRF**	**0,005 – 0,4 wt %**	**Steel**	**Yes**	**1**	**No**
ASTM E1086, mod	**Aluminium, Al**	**OES**	**0,005 – 0,050 wt %**	**Steel**	**Yes**	**1**	**No**
		OES	**0,005 – 0,5 wt %**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
	Boron, B	**OES**	**0,0004 – 0,02 wt %**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
		OES	**0,0010 – 0,0040 wt %**	**Steel**	**Yes**	**1**	**No**

Chemical analysis

Inorganic chemistry

Method	*Parameter*	*Technique*	*Measure*	*Material*	*Flex*	*Type of flex*	*Field*
ASTM E1086, mod	Carbon, C	OES	0,005 – 0,25 wt %	Steel	Yes	1	No
	Sulfur, S	OES	0,003 – 0,065 wt %	Steel	Yes	1	No
ASTM E415, mod	Aluminium, Al	OES	0,006 – 0,10 wt %	Steel	Yes	1	No
ASTM E572, mod/SS-EN 10315	Aluminium, Al	XRF	0,4 – 2,0 wt %	Nickel/Nickel alloys	Yes	1	No
	Chromium, Cr	XRF	10 – 25 wt %	Steel	Yes	1	No
		XRF	10 – 30 wt %	Nickel/Nickel alloys	Yes	1	No
	Cobalt, Co	XRF	0,010 – 1,0 wt %	Steel	Yes	1	No
		XRF	0,010 – 2,0 wt %	Nickel/Nickel alloys	Yes	1	No
	Copper, Cu	XRF	0,010 – 2,0 wt %	Nickel/Nickel alloys	Yes	1	No
		XRF	0,060 – 3,5 wt %	Steel	Yes	1	No
	Iron, Fe	XRF	0,1 – 20 wt %	Nickel/Nickel alloys	Yes	1	No
	Manganese, Mn	XRF	0,01 – 5,0 wt %	Nickel/Nickel alloys	Yes	1	No
		XRF	0,30 – 5,5 wt %	Steel	Yes	1	No
	Molybdenum, Mo	XRF	0,01 – 5,0 wt %	Nickel/Nickel alloys	Yes	1	No
		XRF	0,02 – 6,0 wt %	Steel	Yes	1	No
	Nickel, Ni	XRF	0,01 – 48 wt %	Steel	Yes	1	No
	Nickel, Ni (rest)	XRF	50 – 100 wt %	Nickel/Nickel alloys	Yes	1	No
	Niob, Nb	XRF	0,01 – 5,0 wt %	Nickel/Nickel alloys	Yes	1	No
		XRF	0,03 – 1,3 wt %	Steel	Yes	1	No
	Phosphorus, P	XRF	0,003 – 0,05 wt %	Nickel/Nickel alloys	Yes	1	No
		XRF	0,010 – 0,030 wt %	Steel	Yes	1	No
	Silicon, Si	XRF	0,05 – 2,0 wt %	Nickel/Nickel alloys	Yes	1	No
		XRF	0,10 – 2,0 wt %	Steel	Yes	1	No
	Tantalum, Ta	XRF	0,01 – 0,5 wt %	Nickel/Nickel alloys	Yes	1	No
	Titanium, Ti	XRF	0,005 – 2,0 wt %	Steel	Yes	1	No
		XRF	0,01 – 3,0 wt %	Nickel/Nickel alloys	Yes	1	No

Chemical analysis

Inorganic chemistry

Method	*Parameter*	*Technique*	*Measure*	*Material*	*Flex*	*Type of flex*	*Field*
ASTM E572, mod/SS-EN 10315	**Tungsten, W**	**XRF**	**0,01 – 4,0 wt %**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
	Vanadium, V	**XRF**	**0,02 – 0,25 wt %**	**Steel**	**Yes**	**1**	**No**
Intern metod; GAAS,K726	**Lead, Pb**	**GFAA**	**1 – 6 µg/g**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
		GFAA	**1 – 6 µg/g**	**Steel**	**Yes**	**1**	**No**
SS-EN ISO 15350	**Carbon, C**	**Combustion**	**0,003 – 0,25 wt %**	**Iron/Iron alloys**	**Yes**	**1**	**No**
		Combustion	**0,003 – 0,25 wt %**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
		Combustion	**0,003 – 0,25 wt %**	**Steel**	**Yes**	**1**	**No**
	Sulfur, S	**Combustion**	**0,0005 – 0,030 wt %**	**Iron/Iron alloys**	**Yes**	**1**	**No**
		Combustion	**0,0005 – 0,030 wt %**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
		Combustion	**0,0005 – 0,030 wt %**	**Steel**	**Yes**	**1**	**No**
SS-EN ISO 15351	**Nitrogen, N**	**Combustion**	**0,001 – 0,6 wt %**	**Iron/Iron alloys**	**Yes**	**1**	**No**
		Combustion	**0,001 – 0,6 wt %**	**Nickel/Nickel alloys**	**Yes**	**1**	**No**
		Combustion	**0,001 – 0,6 wt %**	**Steel**	**Yes**	**1**	**No**

Changes in the scope of accreditation are in bold.

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