

Date

Reference

2022-10-28

2021/1096

Scope of accreditation

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

RISE Research Institutes of Sweden AB

Borås

Accreditation number

1002

Kemi och tillämpad mekanik

A002626-092

Chemistry and Biology

<i>Technology area</i>	<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Measure</i>	<i>Best measuring ability (CMC) +/-</i>	<i>Technique</i>	<i>Field</i>
Air and smoke emission analysis	Inhouse method; SP Metod 5319:5	Carbon dioxide, CO ₂	Gas detector	0,002-20 %	2,2 %		Yes
		Carbon dioxide, CO ₂	Gas detector	10-2000 ppm	2,2 %		Yes
		Carbon monoxide, CO	Gas detector	2-100 ppm	2,2 %		Yes
		Helium, He	Gas detector	0,001-50 %	2,2 %		Yes
		Hydrogen sulfide, H ₂ S	Gas detector	1-25 ppm	2,2 %		Yes
		Hydrogen, H ₂	Gas detector	20-5000 ppm	2,2 %		Yes
		Methane, CH ₄	Gas detector	0,001-4 %	2,2 %		Yes
		Nitric oxide, NO/Nox	Gas detector	2-1000 ppm	2,2 %		Yes
		Nitrogen monoxide, NO	Gas detector	2-1000 ppm	2,2 %		Yes
		Nitrous oxide, N ₂ O	Gas detector	8-800 ppm	2,2 %		Yes
		Oxygen, O ₂	Gas detector	0,1-100 %	2,2 %		Yes
		Propane, C ₃ H ₈	Gas detector	0,001-2 %	2,2 %		Yes
		Residual oxygen, O ₂	Gas detector	4-1000 ppm	2,2 %		Yes
		Sulfur dioxide, SO ₂	Gas detector	2-500 ppm	2,2 %		Yes
Sulfur hexafluoride, SF ₆	Gas detector	0,001-4 %	2,2 %		Yes		

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Electricity and Magnetism

<i>Technology area</i>	<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Measure</i>	<i>Best measuring ability (CMC) +/-</i>	<i>Technique</i>	<i>Field</i>
Conductivity	Inhouse method; SP 2967-7		Instrument for conductivity	0,06 - 0,2 μ S/cm	10 %		Yes
			Instrument for conductivity	0,2 - 10 μ S/cm	2 %		Yes
	Inhouse method; SP 3489-8		Instrument for conductivity	1,406 - 12,80 mS/cm	0,6 %		Yes
			Instrument for conductivity	10 - 1406 μ S/cm	2 %		Yes
			Instrument for conductivity	108,43 - 202,90 mS/cm	0,4 %		Yes
			Instrument for conductivity	12,80 - 108,43 mS/cm	0,4 %		Yes

Calibration and measurement capability, CMC, is the smallest uncertainty the calibration laboratory can provide, expressed as the expanded uncertainty having a coverage probability of approximately 95%.