

Date

Reference

2021-11-19

2020/1209

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

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Air and smoke emission analysis	Propane, C3H8	Inhouse method; SP Metod 5319:1	Gas detector	0,001-2 %	2,2 %		Yes
	Residual oxygen, O2	Inhouse method; SP Metod 5319:1	Gas detector	4-1000 ppm	2,2 %		Yes
	Sulfur dioxide, SO2	Inhouse method; SP Metod 5319:1	Gas detector	2-500 ppm	2,2 %		Yes
	Sulfur hexafluoride, SF6	Inhouse method; SP Metod 5319:1	Gas detector	0,001-4 %	2,2 %		Yes

## Electricity and Magnetism

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