

Date

Reference

2021-04-28

2021/640

## Scope of accreditation

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

RISE Research Institutes of Sweden AB

Växjö

Accreditation number

1002

Bygg och fastighet

A002626-074

### Chemical analysis

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Measure</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>	
Inorganic chemistry	Aluminium oxide Al <sub>2</sub> O <sub>3</sub>	BS 2649-1, mod	AAS	0,2 – 20 weight % oxide	Glass	Yes	1	No		
		BS 2649-3, mod	AAS	0,2 – 20 weight % oxide	Glass	Yes	1	No	7.3 mod	
	Cadmium, Cd	Glass Technology 2000, 41 (4) 130-134	AAS	0,0002 – 1 weight %	Glass	Yes	1	No	Istället för överklorosyra (HClO <sub>4</sub> ) används H <sub>2</sub> Sg salpetersyra (HNO <sub>3</sub> ) och svavelsyra (H <sub>2</sub> SO <sub>4</sub> )	
	Calcium oxide, CaO	BS 2649-1, mod	AAS	0,04 – 20 weight %	Glass	Yes	1	No		
		BS 2649-3, mod	AAS	0,04 – 20 weight %	Glass	Yes	1	No	7.3 mod	
	Hexavalent chromium	Glass Techn. 2001 42(6) 148	Photometry	0,0003 – 0,01 weight %	Glass	Yes	1	No		
	Hydrolytic resistance	European Pharmacopoeia 3.2.1 Glass Containers for Pharmaceutical use			0,01 – 1 ml; 0,02 M HCl/g	Glass	Yes	1	No	
			ISO 720		0,01 – 1,5 ml; 0,02 M HCl/g	Glass	Yes	1	No	
			USP-NF Glass-containers <660>powder		0,01 – 1 ml; 0,02 M HCl/g	Glass	Yes	1	No	

## Appendix 1

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<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Measure</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Inorganic chemistry	Iron oxide Fe <sub>2</sub> O <sub>3</sub>	BS 2649	Photometry	0,001 – 20 weight %	Glass	Yes	1	No	
	Lead oxide PbO	Glass Technology 2000, 41 (4) 130-134	AAS	0,003-40 weight % oxide	Glass	Yes	1	No	Istället för överklorosyra (HClO <sub>4</sub> ) används H <sub>2</sub> Sg salpetersyra (HNO <sub>3</sub> ) och svavelsyra (H <sub>2</sub> SO <sub>4</sub> )
	Magnesium oxide, MgO	BS 2649-1, mod	AAS	0,2 – 20 weight % oxide	Glass	Yes	1	No	
		BS 2649-3, mod	AAS	0,2 – 20 weight % oxide	Glass	Yes	1	No	7.3 mod
	Mercury, Hg	Glass Techn. 2001 42(1) 24	AAS	1-10 mg/kg	Glass	Yes	1	No	
	Potassium oxide, K <sub>2</sub> O	BS 2649-1, mod	AAS	0,02 – 20 weight %	Glass	Yes	1	No	
		BS 2649-3, mod	AAS	0,02 – 20 weight %	Glass	Yes	1	No	7.3 mod
	Silicon dioxide, SiO <sub>2</sub>	BS 2649-1	Gravimetry	40 – 90 weight %	Glass	Yes	1	No	Ch. 7.1
	Sodium oxide, Na <sub>2</sub> O	BS 2649-1, mod	AAS	0,4 – 20 weight % oxide	Glass	Yes	1	No	
		BS 2649-3, mod	AAS	0,4 – 20 weight % oxide	Glass	Yes	1	No	7.3 mod

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Changes in the scope of accreditation are in bold.

The accreditation does not cover sampling activities. If the laboratory, regardless of this, performs the sampling by itself, then the testing is not considered to be performed under accreditation.

The scope of accreditation is flexible as specified in this decision. The accredited body must always retain a current list of the scope for which it is accredited.

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