


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p><b>4001</b></p> <p>Accredited to ISO 17034:2016</p>	<p><b>Starna Scientific Ltd</b></p> <p>Issue No: 014      Issue date: 22 April 2020</p>	
	<p>52/54 Fowler Road Hainault Essex IG6 3UT</p>	<p>Contact: John Hammond Tel: +44 (0) 20 8500 1264 Fax: +44 (0) 20 8500 1955 E-Mail: tech@starna.com Website: www.starna.com</p>
<p>Reference material production at the above address</p>		

### Flexible Scope

The reference material producer is recognised as competent to modify, develop and produce any reference material within the scope of the areas of competence covered by the general scope and according to and described in the controlled Company Confidential internal procedures. The exhaustive list of reference materials covered under accreditation is maintained by, and available from, the reference material producer.

Information about flexible scopes of accreditation is available in UKAS document GEN 4

### DETAIL OF ACCREDITATION

Matrix / Artefact	Property Value(s) / Identity / Characterisation Range	Characterisation Procedure / Technique	Type* (CRM / RM)
<p><u>Reference Materials with Optical Properties</u></p> <p>Holmium Oxide Solutions Didymium Solutions Samarium Solutions Rare Earth Oxide Solutions Inorganic Salt Stray Light Solutions Holmium Glass Filters Didymium Glass Filters Organic Matrix Solutions</p>	<p>Wavelength (at specific spectral bandwidths)</p>	<p>Measurement by a single, primary, definitive method at Starna Scientific (UV/Vis/NIR Spectrometry)</p>	<p>CRM</p>
<p>Potassium Dichromate Solutions Neutral Density Filters Nicotinic Acid Organic Matrix Solutions</p>	<p>Visible, Ultraviolet and NIR Absorbance/Transmittance (at specific wavelengths)</p>	<p>Measurement by a single, primary, definitive method at Starna Scientific (UV/Vis/NIR Spectrometry)</p>	<p>CRM</p>
<p>Neutral Density Metal-on-Quartz Filters</p>			<p>CRM</p>
<p>Polystyrene film</p>	<p>Wavelength</p>	<p>Measurement by a single, primary, definitive method at Starna Scientific (IR Spectrometry)</p>	<p>CRM</p>



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Reference material certification performed at main address only

Matrix / Artefact	Property Value(s) / Identity / Characterisation Range	Characterisation Procedure / Technique	Type* (CRM / RM)
Sealed Solution Cells containing Quinine Sulfate  Sealed solution cells containing suitable fluorescent liquid  Solid State polymer, glass or ceramic substrates containing suitable fluorescent material	Corrected Emission Spectrum  (relative fluorescence intensity at a series of specific wavelengths)	Measurement by a single, primary, definitive method at Starna Scientific  (Fluorescence Spectrometry)	CRM and RM
Sealed Solution Cells containing Quinine Sulfate  Sealed solution cells containing suitable fluorescent liquid  Solid State polymer, glass or ceramic substrates containing suitable fluorescent material	Relative Fluorescence Intensity Series  (relative fluorescence intensity of two or more similar materials in a specified set)	Measurement by a single, primary, definitive method at Starna Scientific  (Fluorescence Spectrometry)	CRM and RM
Other UV/Vis/NIR reference solutions (The organization holds a flexible scope for the characterisation of suitable materials)	Absorbance	Measurement by a single, primary, definitive method at Starna Scientific (UV/Vis/NIR Spectrometry)	CRM
Other UV/Vis/NIR reference solutions (The organisation holds a flexible scope for the characterisation of suitable materials)	Relative Fluorescence intensities	Measurement by a single, primary, definitive method at Starna Scientific (UV/Vis/NIR Spectrometry)	CRM and RM
END			

**\*Type**

CRM = Certified Reference Material(s)

RM = Reference Material(s)

Refer to ISO 17034 for full definitions