


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> TESTING <b>1690</b></p> <p>Accredited to <b>ISO/IEC 17025:2017</b></p>	<h3>SWRI Services Limited</h3> <p><b>Issue No: 019    Issue date: 13 April 2023</b></p>	
	<p><b>The Robertson Trust Building</b> <b>Research Avenue North</b> <b>Riccarton</b> <b>Edinburgh</b> <b>EH14 4AP</b></p>	<p><b>Contact: Mr J Freeman</b> <b>Tel: +44 (0)131 449 8900</b> <b>E-Mail: John.Freeman@swri.co.uk</b> <b>Website: www.swri.co.uk</b></p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ALCOHOLIC BEVERAGES	<u>Chemical Tests</u>	Documented In-house methods identified by procedure number
Beers, Liqueurs and Wines	Alcoholic strength	OP 222 using distillation followed by densitometry
Spirits	Alcoholic strength (actual)	OP 222 using distillation followed by densitometry
	Alcoholic strength (apparent)	OP 221 using densitometry
	Ethyl carbamate	OP 224 using Gas Chromatography - Mass Spectrometry (GC-MS)
	Sugars covering: Fructose Glucose Lactose Maltose Sucrose	OP 279 using Ion Chromatography (IC)
	Methanol n-Propanol Iso-Butanol n-Butanol 2-Methyl-1-butanol 3-Methyl-1-butanol Ethyl acetate Iso-Amyl acetate Acetal Acetaldehyde Furfural	OP 275 using Gas Chromatography (GC)



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ALCOHOLIC BEVERAGES	<u>Chemical Tests (cont'd)</u>	Documented In-house methods identified by procedure number
Spirits (cont'd)	<ul style="list-style-type: none"> <li>Coniferaldehyde</li> <li>Ellagic Acid</li> <li>5-Hydroxy Methyl Furfural</li> <li>Gallic Acid</li> <li>Scopoletin</li> <li>Sinapaldehyde</li> <li>Syringaldehyde</li> <li>Syringic Acid</li> <li>Vanillic Acid</li> <li>Vanillin</li> </ul>	OP 404 using High Performance Liquid Chromatography
	<ul style="list-style-type: none"> <li>Coniferaldehyde</li> <li>Ellagic Acid</li> <li>5-Hydroxy Methyl Furfural</li> <li>Gallic Acid</li> <li>Scopoletin</li> <li>Sinapaldehyde</li> <li>Syringaldehyde</li> <li>Syringic Acid</li> <li>Vanillic Acid</li> <li>Vanillin</li> </ul>	OP 414 using UPLC
Whisky	Opinions and interpretations for the purpose of authenticating products claiming to be whisky	OP139 and related industry, Statutory Instruments, National and International Regulations using data generated from procedures OP221, OP222, OP 275, OP279, OP 404 and OP414
END		