


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> TESTING</p> <p><b>27393</b></p> <p>Accredited to ISO/IEC 17025:2017</p>	<p><b>ARO Scientific Ltd</b></p> <p><b>Issue No: 001      Issue date: 20 September 2023</b></p>	
	<p><b>Unit 1</b> <b>Bridgeway Business Park</b> <b>Ditton Road</b> <b>Widnes</b> <b>WA8 0QE</b></p>	<p><b>Contact: No Commercial Enquiries</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
<b>PETROLEUM AND PETROLEUM PRODUCTS</b>	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented in-house procedures. Unless otherwise stated all methods tested are latest issue
Petroleum Products, Base, Blended and Fuel Oils	Pensky-Martens Closed Cup Flash Point	ASTM D93 Procedures A and B by Flash Point Tester
Petroleum Products, Base, Blended and Fuel Oils	Cleveland Open Cup Flash Point	ASTM D92 by Flash Point Tester
Petroleum Products, Base, Blended and Fuel Oils	Acid Number (AN) Total Acid Number (TAN)	ASTM D664 Procedure A by automated potentiometric titration
Petroleum Products, Base, Blended and Fuel Oils	Base Number (BN) Total Base Number (TBN)	ASTM D2896 Procedure A by automated potentiometric titration
Petroleum Products, Base, Blended and Fuel Oils	Sulfur content	Measurement by Gravimetry
Petroleum Products, Base, Blended and Fuel Oils	Density	ASTM D4052 by Digital density meter
Petroleum Products, Base, Blended and Fuel Oils	Sulfur content	ASTM 7039 by monochromatic wavelength dispersive x-ray fluorescence (MWD XRF)
Petroleum Products, Base, Blended and Fuel Oils	ASTM Color	ASTM D1500 and ASTM 6045 by Spectrophotometric colorimetry
Petroleum Products, Base, Blended and Fuel Oils	Saybolt Color	ASTM D6045 by Spectrophotometric colorimetry



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**ARO Scientific Ltd**

**Issue No:** 001 **Issue date:** 20 September 2023

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PETROLEUM AND PETROLEUM PRODUCTS	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented in-house procedures. Unless otherwise stated all methods tested are latest issue
Petroleum Products, Base, Blended and Fuel Oils	Gardiner Color	ASTM D6166 by Spectrophotometric colorimetry
END		