


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>27393</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>ARO Scientific Ltd</p> <p>Issue No: 003 Issue date: 19 August 2025</p>	
	<p>Unit 1 Bridgeway Business Park Ditton Road Widnes WA8 0QE</p>	<p>Contact: No Commercial Enquiries</p>

Testing performed at the above address only

DETAIL OF ACCREDITATION

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>	
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	Tag Closed Cup Flash Point	ASTM D56
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 D7039 by monochromatic wavelength dispersive x-ray fluorescence (MWD XRF)
Petroleum Products, Base, Blended and Fuel Oils	ASTM Color	ASTM D6045 by Spectrophotometric colorimetry
Petroleum Products, Base, Blended and Fuel Oils	Saybolt Color	ASTM D6045 by Spectrophotometric colorimetry
Petroleum Products, Base, Blended and Fuel Oils	Gardiner Color	ASTM D6166 by Spectrophotometric colorimetry



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PETROLEUM AND PETROLEUM PRODUCTS Petroleum Products, Base, Blended, Fuel Oils and Aqueous blends	<u>Chemical and Physical Tests</u> Refractive Index	Using Digital Refractometer
Petroleum Products, Base, Blended and Fuel Oils	Dynamic Viscosity and Density of Liquids	ASTM D7042 by Stabinger Viscometer (and the calculation of Kinematic Viscosity)

Flexible Scope

The laboratory is accredited to ISO/IEC17025:2017 for testing activities in accordance with the standards highlighted in the schedule. This may also include new versions of existing accredited standard test methods to be introduced in accordance with documented in-house procedure, providing that:

(1) The method or standard does not introduce new principles of measurement.

(2) The method or standard does not require measurements to be made outside the parametric boundaries defined within the standard specifications already accredited and detailed within this Schedule of Accreditation.

Information about flexible scopes of accreditation is available in UKAS document GEN 4 and EA document EA-2/05.

END