

A silhouette of an oil pumpjack is shown against a bright orange and yellow sunset sky. The sun is a glowing orb on the horizon, casting a long, horizontal light streak across the sky. The pumpjack's structure, including its walking beam and counterweights, is clearly visible against the bright background.

SULFUR STANDARDS DIESEL (SYNTHETIC) STANDARDS AND KITS

Precision. Accuracy. Measurement Certainty

ARO Scientific Ltd

ARO Scientific Ltd is an independent ISO 17034 accredited reference material producer with ISO/IEC 17025 accredited testing laboratories, providing high quality certified reference materials, reference materials, standards, and consumables for calibration of measuring equipment, verification of measuring equipment, method validation, method verification, or other quality control processes applicable for international test methods such as ASTM, IP, ISO, etc. Our management team has more than 35 years' experience in the manufacturing, characterisation and certification of certified reference materials, reference materials, standards, and consumables.

Accreditation

ARO Scientific Ltd holds dual accreditation status under The United Kingdom Accreditation Service (UKAS) to international standards ISO/IEC 17025 and ISO 17034, CAB No. 27393. The United Kingdom Accreditation Service (UKAS) is the sole national accreditation body recognised by the UK Government for certification and conformity to internationally agreed standards for testing, calibration and inspection. UKAS is a signatory to International Laboratory Accreditation Cooperation (ILAC) which is the international body for promoting cooperation between the various inspection body accreditation schemes that operate throughout the world. Other signatories include, but are not limited to, A2LA (USA), COFRAC (France), Dakks (Germany) and JAB (Japan). ISO 17025 / ISO 17034 accreditation denotes competence for customers to make an informed and confident choice in the procurement process.

The UKAS mark ensures buyers have peace of mind. ILAC also bridges international barriers, making trade easier, especially in new growth markets. Our Combined UKAS and ILAC-MRA Mark demonstrates that the accreditation we hold is recognised under the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement, our certificates are accepted around the world.

Quality Commitment

ARO Scientific Ltd recognises that our customers should be always provided with products and services they can rely upon, trust and have confidence to use on a daily basis. Our commitment to quality and our accreditations demonstrates that we have rigorous quality systems in place that allow us to provide customers with the highest quality products possible, which are accepted globally.



SULFUR STANDARDS

These ISO/IEC 17025 and ISO 17034 Sulfur standards intended to be used for calibration or verification of measuring equipment, method validation, method verification, or other quality control processes applicable for analysing sulfur content in various petroleum products using X-ray fluorescence spectrometry (XRF) or other applicable techniques. These standards have been characterised by primary Gravimetric preparation. Manufacture and characterisation have been performed in accordance with ARO's accreditation to ISO/IEC 17025 and ISO 17034, UKAS CAB No. 27393. They are supplied with full traceability to National Physical Laboratory (NPL), National Institute of Standards and Technology (NIST) and other recognised National Metrology Institutes (NMIs).

Diesel (Synthetic) Sulfur Standards

ISO/IEC 17025 and ISO 17034 Sulfur Certified Reference Material (CRM) intended to be used for verification of measuring equipment, method validation, method verification, or other quality control processes applicable for analysing sulfur content in petroleum products, typically used in, but not limited to test methods ASTM D2622, ASTM D4294, ASTM D7039, ASTM D7212, ASTM D7220, IP 336, IP 496, IP 497, ISO 8754, or other applicable test methods.



Part No.	Certification	Matrix	Nominal Value	Pack Size
SUSDBLANK	ISO 17025 / ISO 17034	Diesel (Synthetic)	0 mg/kg	100 mL
SUSD00005	ISO 17025 / ISO 17034	Diesel (Synthetic)	5 mg/kg	100 mL
SUSD00010	ISO 17025 / ISO 17034	Diesel (Synthetic)	10 mg/kg	100 mL
SUSD00025	ISO 17025 / ISO 17034	Diesel (Synthetic)	25 mg/kg	100 mL
SUSD00050	ISO 17025 / ISO 17034	Diesel (Synthetic)	50 mg/kg	100 mL
SUSD00100	ISO 17025 / ISO 17034	Diesel (Synthetic)	100 mg/kg	100 mL
SUSD00250	ISO 17025 / ISO 17034	Diesel (Synthetic)	250 mg/kg	100 mL
SUSD00300	ISO 17025 / ISO 17034	Diesel (Synthetic)	300 mg/kg	100 mL
SUSD00500	ISO 17025 / ISO 17034	Diesel (Synthetic)	500 mg/kg	100 mL
SUSD00700	ISO 17025 / ISO 17034	Diesel (Synthetic)	700 mg/kg	100 mL
SUSD00750	ISO 17025 / ISO 17034	Diesel (Synthetic)	750 mg/kg	100 mL
SUSD01000	ISO 17025 / ISO 17034	Diesel (Synthetic)	1000 mg/kg	100 mL
SUSD02500	ISO 17025 / ISO 17034	Diesel (Synthetic)	2500 mg/kg	100 mL
SUSD03000	ISO 17025 / ISO 17034	Diesel (Synthetic)	3000 mg/kg	100 mL
SUSD05000	ISO 17025 / ISO 17034	Diesel (Synthetic)	5000 mg/kg	100 mL
SUSD10000	ISO 17025 / ISO 17034	Diesel (Synthetic)	10000 mg/kg	100 mL
SUSD15000	ISO 17025 / ISO 17034	Diesel (Synthetic)	15000 mg/kg	100 mL
SUSD20000	ISO 17025 / ISO 17034	Diesel (Synthetic)	20000 mg/kg	100 mL
SUSD30000	ISO 17025 / ISO 17034	Diesel (Synthetic)	30000 mg/kg	100 mL
SUSD40000	ISO 17025 / ISO 17034	Diesel (Synthetic)	40000 mg/kg	100 mL
SUSD50000	ISO 17025 / ISO 17034	Diesel (Synthetic)	50000 mg/kg	100 mL

Nominal values are for reference only. Please refer to our website, customer services or appointed distributors for certified values of current batches.



DIESEL (SYNTHETIC) SULFUR STANDARDS KITS

ISO/IEC 17025 and ISO 17034 Diesel (Synthetic) Sulfur Certified Reference Materials (CRM) Kits intended to be used for calibration or verification of measuring equipment, method validation, method verification, or other quality control processes applicable for analysing sulfur content in petroleum products, typically used in, but not limited to test methods ASTM D2622, ASTM D4294, ASTM D7039, ASTM D7212, ASTM D7220, IP 336, IP 496, IP 497, ISO 8754, or other applicable methods.



Part No.	Kit Contents
SUSD-ASTMD2622A	Sulfur in diesel (synthetic), ASTM D2622, Calibration Set A: Blank, 0.0005 % (5 mg/kg), 0.0010 % (10 mg/kg), 0.0100 % (100 mg/kg), 0.0250 % (250 mg/kg), 0.0500 % (500 mg/kg), 0.0750 % (750 mg/kg), 0.1000 % (1000 mg/kg). 8 x 100 mL.
SUSD-ASTMD2622B	Sulfur in diesel (synthetic), ASTM D2622, Calibration Set B: 0.1000 % (1000 mg/kg), 0.2500 % (2500 mg/kg), 0.5000 % (5000 mg/kg), 1.0000 % (10000 mg/kg). 4 x 100 mL.
SUSD-ASTMD2622C	Sulfur in diesel (synthetic), ASTM D2622, Calibration Set C: 1.0000 % (10000 mg/kg), 2.0000 % (20000 mg/kg), 3.0000 % (30000 mg/kg), 4.0000 % (40000 mg/kg), 5.0000 % (50000 mg/kg). 5 x 100 mL ea.
SUSD-ASTMD4294A	Sulfur in diesel (synthetic), ASTM D4294, Calibration Set A: Blank, 0.0005 % (5 mg/kg), 0.0010 % (10 mg/kg), 0.0100 % (100 mg/kg), 0.0250 % (250 mg/kg), 0.0500 % (500 mg/kg), 0.0750 % (750 mg/kg), 0.1000 % (1000 mg/kg). 8 x 100 mL.
SUSD-ASTMD4294B	Sulfur in diesel (synthetic), ASTM D4294, Calibration Set B: 0.1000 % (1000 mg/kg), 0.2500 % (2500 mg/kg), 0.5000 % (5000 mg/kg), 1.0000 % (10000 mg/kg). 4 x 100 mL.
SUSD-ASTMD4294C	Sulfur in diesel (synthetic), ASTM D4294, Calibration Set C: 1.0000 % (10000 mg/kg), 2.0000 % (20000 mg/kg), 3.0000 % (30000 mg/kg), 4.0000 % (40000 mg/kg), 5.0000 % (50000 mg/kg). 5 x 100 mL.
SUSD-ASTMD7039A	Sulfur in diesel (synthetic), ASTM D7039, Calibration Set A: Blank, 0.0005 % (5 mg/kg), 0.0050 % (50 mg/kg), 0.0250 % (250 mg/kg), 0.0500 % (500 mg/kg). 5 x 100 mL.
SUSD-ASTMD7039B	Sulfur in diesel (synthetic), ASTM D7039, Calibration Set B: Blank, 0.0025 % (25 mg/kg), 0.0100 % (100 mg/kg), 0.0500 % (500 mg/kg), 0.1000 % (1000 mg/kg), 0.3000 % (3000 mg/kg). 6 x 100 mL.
SUSD-ASTMD7220A	Sulfur in diesel (synthetic), ASTM D7220, Calibration Set A: Blank, 0.0005 % (5 mg/kg), 0.0010 % (10 mg/kg), 0.0025 % (25 mg/kg), 0.0050 % (50 mg/kg). 5 x 100 mL.
SUSD-ASTMD7220B	Sulfur in diesel (synthetic), ASTM D7220, Calibration Set B: 0.0050 % (50 mg/kg), 0.0100 % (100 mg/kg), 0.0250 % (250 mg/kg), 0.0500 % (500 mg/kg), 0.0750 % (750 mg/kg), 0.1000 % (1000 mg/kg). 6 x 100 mL.
SUSD-IP336A	Sulfur in diesel (synthetic), IP 336, Calibration Set A: Blank, 0.0300 % (300 mg/kg), 0.0500 % (500 mg/kg), 0.0700 % (700 mg/kg), 0.1000 % (1000 mg/kg). 5 x 100 mL.
SUSD-IP336B	Sulfur in diesel (synthetic), IP 336, Calibration Set B: Blank, 0.1000 % (1000 mg/kg), 0.3000 % (3000 mg/kg), 0.5000 % (5000 mg/kg). 4 x 100 mL.
SUSD-IP336C	Sulfur in diesel (synthetic), IP 336, Calibration Set C: 0.5000 % (5000 mg/kg), 1.0000 % (10000 mg/kg), 1.5000 % (15000 mg/kg), 2.0000 % (20000 mg/kg). 4 x 100 mL.

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Part No.	Kit Contents
SUSD-IP336D	Sulfur in diesel (synthetic), IP 336, Calibration Set D: 2.0000 % (20000 mg/kg), 3.0000 % (30000 mg/kg), 4.0000 % (40000 mg/kg), 5.0000 % (50000 mg/kg) . 4 x 100 mL.
SUSD-IP336E	Sulfur in diesel (synthetic), IP 336, Calibration Set E: Blank, 0.0300 % (300 mg/kg), 0.0500 % (500 mg/kg), 0.0700 % (700 mg/kg), 0.1000 % (1000 mg/kg), 0.3000 % (3000 mg/kg), 0.5000 % (5000 mg/kg). 7 x 100 mL.
SUSD-IP336F	Sulfur in diesel (synthetic), IP 336, Calibration Set F: 0.5000 % (5000 mg/kg), 1.0000 % (10000 mg/kg), 1.5000 % (15000 mg/kg), 2.0000 % (20000 mg/kg), 3.0000 % (30000 mg/kg), 4.0000 % (40000 mg/kg), 5.0000 % (50000 mg/kg). 7 x 100 mL.
SUSD-IP496A	Sulfur in diesel (synthetic), IP 496, Calibration Set A: Blank, 0.0100 % (100 mg/kg), 0.0300 % (300 mg/kg), 0.0500 % (500 mg/kg), 0.0700 % (700 mg/kg), 0.1000 % (1000 mg/kg). 6 x 100 mL.
SUSD-IP497A	Sulfur in diesel (synthetic), IP 497, Calibration Set A: Blank, 0.0050 % (50 mg/kg), 0.0100 % (100 mg/kg), 0.0250 % (250 mg/kg), 0.0300 % (300 mg/kg), 0.0500 % (500 mg/kg). 6 x 100 mL.

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