

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>SGS United Kingdom Limited</h3> <p>Issue No: 017 Issue date: 25 November 2011</p>	
	<p>SGS House Wellheads Drive Dyce Aberdeen Scotland AB21 7GQ</p>	<p>Contact: Mr Derek Bryce Tel: +44 (0)1224 793600 Fax: +44 (0)1224 729389 E-Mail: Derek.Bryce@sgs.com Website: www.uk.sgs.com</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
GASES	<u>Chemical Tests</u>	Joint IP/ASTM methods marked with an asterisk (*) Equivalent ISO/IP methods marked with a hash (#)
Natural Gases	Hydrocarbon Composition: C ₁ - C ₁₁	ASTM D1945-03
	Non-hydrocarbon Gases H ₂ , He, Ar, O ₂ , N ₂ , CO ₂	ISO 6974:1,2 and 6 ISO 6975:1997
	Calculation of Calorific Values, Density, relative density and Wobbe index from composition	ISO 6976:1995
PETROLEUM and PETROLEUM PRODUCTS	<u>Chemical Tests</u>	Documented In-House Methods in the series AL/P/000, as listed below
Crude Oils and Condensates	Density	IP 365/97(04) (AL/P/010)
	Distillation	ASTM D2892-05 (AL/P/019)
	Flash Stabilisation, to determine fluid composition	AL/P/004
	Kinematic Viscosity	IP 71, Section 1/97 (AL/P/029)
	Oil Composition: to C6 ⁺	IP 344/88(04)
	Total Sulphur Content	IP 336/04



2218
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

SGS United Kingdom Limited
Issue No: 017 Issue date: 25 November 2011

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 (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods in the series AL/P/000, as listed below
Crude Oils and Condensates (cont'd)	Water Content	IP 386/99* (ASTM D4928-00, AL/P/030) #ISO 10337-97
PETROLEUM and PETROLEUM PRODUCTS	<u>Microbiological Tests</u>	
Marine Gasoil	Viable aerobic microbial content of fuels and fuel components boiling below 390 C	IP 385/99 Filtration and culture method
WATER	<u>Chemical Tests</u>	Documented In-House Methods in the series AL/P/000, as listed below
Process Water	Alkalinity	API RP (AL/P/082) by Titrimetric analysis
	Chloride content	AL/P/050 by Potentiometric analysis
	Density	AL/P/083 by Digital densitometer
	Particle count	AL/P/085 by Microscope - based on ARP 598B
	pH	AL/P/051, Electrometric method
	Sulphate content	ISO 10304-1:2007 (E)
	Total hydrocarbon content	IP 426/98(04)
Trade Effluent (to controlled water)	Oil in water (hydrocarbon content)	ISO 9377-2 (modified by OSPAR) and associated SOP LABPX-SOP-C211
Potable Water	Chloride content	ISO 10304-1:2007(E) by Ion Chromatography
WATER	<u>Microbiological Tests</u>	Documented In-House Methods in the series AM-P-DWI-000, as listed below
Potable Water	Enumeration of heterotrophic bacteria	AM-P-DWI-007 Pour plate method



2218
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

SGS United Kingdom Limited
Issue No: 017 Issue date: 25 November 2011

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATER (cont'd) Potable Water (cont'd)	<u>Microbiological Tests</u> (cont'd) Isolation and enumeration of Coliforms/E.coli Isolation and enumeration of Enterococci Isolation and enumeration of Pseudomonas	Documented In-House Methods in the series AM-P-DWI-000, as listed below AM-P-DWI-004 by Colilert AM-P-DWI-005 Membrane filtration method AM-P-DWI-008 Membrane filtration method
	END	