


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0101</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>ITS Testing Services (UK) Limited (Aberdeen Laboratory)</p> <p>Issue No: 049 Issue date: 03 March 2026</p>	
	<p>Exploration Drive Aberdeen Science and Energy Park Bridge of Don Aberdeen AB23 8HZ</p>	<p>Contact: Mr Ross Hyland Tel: +44 (0)1224 708500 Fax: +44 (0)1224 296302 E-Mail: ross.hyland@intertek.com Website: www.intertek.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
PETROLEUM and PETROLEUM PRODUCTS	<p><u>Chemical and Physical Tests</u></p> <p>Allocation analysis</p> <ul style="list-style-type: none"> - Boiling Range Distribution of the C₆ + Fraction of NGL Samples - Compositional Analysis of NGL Samples - Direct Measurement of N₂, CO₂ and C₁ - C₆ from Pressurised Sample Cylinders - Gas/Liquid Separation of Forties Pipeline Field Samples 	<p>Flexible scope to allow updated standard test methods (already on the schedule of accreditation) to be introduced into the lab at the date of issue in a controlled manner following documented in house procedure COR-PR-14 (Management of Change).</p> <p>Documented In-House Methods, as listed below in the series CBA-00 MOD - Modified.</p> <p>Forties System Allocation Schedule of Analysis Manual</p> <p>NGL-2 encompassing IP406 (modified)</p> <p>NGL-3 encompassing IP345 (as modified in NGL-3)</p> <p>CRUDE-3 encompassing IP189 (modified), IP344/88 (obsolete) (modified)</p> <p>CRUDE-3 encompassing IP345 (as modified in NGL-3), IP189 (modified), IP344 (modified)</p>



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PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd) <ul style="list-style-type: none"> - Preparation of Forties Pipeline Field Samples - Sulphur Content of Forties Field 350 + Residue Samples - Water Content of Forties Pipeline Fields - Dissociated Gas - Water Content of Forties Pipeline Field Samples - Water Content of Forties Pipeline Field Samples (Overfilled Vessels) Aniline Point Ash from petroleum product 	<p>Flexible scope to allow updated standard test methods (already on the schedule of accreditation) to be introduced into the lab at the date of issue in a controlled manner following documented in house procedure COR-PR-14 (Management of Change).</p> <p>Documented In-House Methods, as listed below in the series CBA-00 MOD - Modified.</p> <p>CRUDE-1, NGL-1</p> <p>CRUDE-5 encompassing the following: ASTM D2892 (modified) ASTM D5443 ASTM D2503 ASTM D4052 (modified) ASTM D2887 (modified) ASTM D1160 (modified) and ASTM D5236 IP190 (modified) IP336 (modified) IP71- ASTM D445</p> <p>CRUDE-4 encompassing IP386 (modified) and ASTM D4807 (modified)</p> <p>CRUDE-2, NGL-4 encompassing IP386 (modified) and ASTM D4807 (modified)</p> <p>CRUDE-4 encompassing IP386 (modified) and ASTM D4807 (modified)</p> <p>IP 2 ASTM D611</p> <p>IP 4 ASTM D482</p>



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PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd) Asphaltenes Basic Nitrogen Bitumen softening point Cetane Index, calculated Cloud point Cold filter plugging point Composition of natural gas	Flexible scope to allow updated standard test methods (already on the schedule of accreditation) to be introduced into the lab at the date of issue in a controlled manner following documented in house procedure COR-PR-14 (Management of Change). Documented In-House Methods, as listed below in the series CBA-00 MOD - Modified. IP 143 ASTM D6560 CBA 73 BS-2000-58 IP 380 ASTM D4737 IP 219 ASTM D2500 IP 309 IP 345/80 (obsolete)



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PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd) Density, relative Density, API gravity Detection of copper corrosion Distillation Flash Gases PMCC Flash point COC Flash point Flash Point 50 to 200°C Freezing point Fuel dilution Hydrocarbon types	Flexible scope to allow updated standard test methods (already on the schedule of accreditation) to be introduced into the lab at the date of issue in a controlled manner following documented in house procedure COR-PR-14 (Management of Change). Documented In-House Methods, as listed below in the series CBA-00 MOD - Modified. IP 160 ASTM D1298 IP 365 IP 154 ASTM D130 IP 123 ASTM D5236 ASTM D2892 CBA-78 IP 34 ASTM D93 IP 36 (modified) ASTM D92 (modified) IP 523 Rapid equilibrium closed cup IP 16 ASTM D2386 CBA-12, estimation by flash point characteristics IP 156 ASTM D1319



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PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd)	Flexible scope to allow updated standard test methods (already on the schedule of accreditation) to be introduced into the lab at the date of issue in a controlled manner following documented in house procedure COR-PR-14 (Management of Change). Documented In-House Methods, as listed below in the series CBA-00 MOD - Modified
	Hydrogen sulphide and mercaptan sulphur content	UOP 163 and UOP 163(MOD)
	Insolubles	CBA-11
	Light hydrocarbons in stabilised crude oils	IP 344 (modified)
	Molecular weight, average	CBA-2
	Total acid number	IP 177 ASTM D664
	Total base number	ASTM D2896
	Particle size and distribution	CBA-13 using automatic particle counter
	Pour point	IP 15 ASTM D97
	Pour point of Crude Oil	ASTM D5853
	Pressurised Gases	CBA-77
	Salts content, total	IP 265
	Sediment	IP 53 ASTM D473 ASTM D4807 (modified)



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PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd)	Flexible scope to allow updated standard test methods (already on the schedule of accreditation) to be introduced into the lab at the date of issue in a controlled manner following documented in house procedure COR-PR-14 (Management of Change). Documented In-House Methods, as listed below in the series CBA-00 MOD - Modified
	Smoke point	IP 57 ASTM D1322
	Sulphur	IP 336
	Vapour pressure	IP 69 Reid Method
	Viscosity	IP 71/Section 1 ASTM D445
	Kinematic viscosity of transparent and opaque liquids	ASTM D7279 by Houillon Viscometer
	Viscosity index	IP 226 ASTM D2270
	Water	IP 386 ASTM D4928 CBA-6
	Wax content	CBA-4 using Soxhlet Extraction technique
	Paraffin wax content of petroleum oils and asphalts	UOP 46



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PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd)	Flexible scope to allow updated standard test methods (already on the schedule of accreditation) to be introduced into the lab at the date of issue in a controlled manner following documented in house procedure COR-PR-14 (Management of Change). Documented In-House Methods, as listed below in the series CBA-00 MOD - Modified.
Pressurised Hydrocarbon Fluids	N ₂ , CO ₂ C ₁ -C ₅ C ₆₊ Dry e C ₁ -C ₆ C ₁ -C ₇ C ₇₊ C ₈₊ SG cut % weight dis.cuts mwt cut S, V	PT-5 using Near Infrared unit
WATERS Saline waters Drinking waters Process Waters	<u>Chemical and Physical Tests</u> Alkalinity Anions: - Bromide, Chloride, Fluoride, Nitrite, Nitrate, Phosphate, Sulphate - Chloride Elemental analysis: Al, B, Ba, Ca, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Si, Sr, Zn	API RP45, 81 CBA-56 using ion chromatography CBA-69 CBA-67 by ICP-OES



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WATERS Trade effluent (to sewer or controlled water)	<u>Chemical and Physical Tests</u> (cont'd)	Flexible scope to allow updated standard test methods (already on the schedule of accreditation) to be introduced into the lab at the date of issue in a controlled manner following documented in house procedure COR-PR-14 (Management of Change). Documented In-House Methods, as listed below in the series CBA-00 SVTA-000, MOD - Modified.
	Oil in Water	ISO 9377-2 (modified) by Gas Chromatography
WATERS Drinking waters	Particulate matter	CBA-58 [Modification of ASTM]
	Physical properties: pH Conductivity/Resistivity	ASTM D1293 ASTM D1125-A (modified through work instruction SWI 53)
	<u>Microbiological Tests</u>	Documented In-House Methods based on The Microbiology of Drinking Water (MDW), Environment Agency
	Enumeration: Total viable count at 22 °C and 37 °C	In house method CML-LAB-TP-01 by pour plate based on MDW, Part 7, 2020
	Coliforms, confirmed <i>Escherichia coli</i> , confirmed	In house method CML-LAB-TP-04 by MPN using Colilert based on MDW, Part 4, 2016
Identification and enumeration: <i>Legionella</i> spp <i>Legionella pneumophila</i> serogroups 1 and 2-14	In house method CML-LAB-TP-03 using filtration and plating onto GVPC media	



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WATERS Drinking waters	<u>Microbiological Tests (cont'd)</u> Enumeration: Presumptive enterococci	Documented In-House Methods based on The Microbiology of Drinking Water (MDW), Environment Agency In house method CML-LAB-TP-02 by filtration membrane method, based on MDW, Part 5, 2012

END