# **Schedule of Accreditation**

# **United Kingdom Accreditation Service**

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



2770

Accredited to ISO/IEC 17025:2017

## **INEOS Chemicals Grangemouth Limited**

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**Contact: Mrs G Davis** 

Tel: +44 (0)1324 493134

PO Box 21 **Bo'ness Road** Grangemouth Stirlingshire

**FK3 9XH** 

E-Mail: gayle.davis@ineos.com

Website: www.ineos.com/grangemouth

#### 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
FINAL EFFLUENT	Chemical and Physical Tests	
	рН	Documented In-House Method LM-Water-29 to BS EN 10523:2012
	Total Suspended Solids	Documented In-House Method LM-HSE-10 to BS EN 872:2005
	Chemical Oxygen Demand	Documented In-House Method LM-HSE-28 based on ISO 6060:1989
	Oil in Water	Documented In-House Method LM-HSE-26 based on SCA Blue Book No. 77 (IBSN 0117517275)
LIQUIFIED PETROLEUM GAS	Propane and butane	BS EN 27941 - 1994 (Modified) supported by Documented In-House Method LM-GC-03
NATURAL GAS	C <sub>1</sub> - C <sub>5</sub> alkanes, > C <sub>5</sub> alkanes, air (oxygen not quantified), CO <sub>2</sub>	ASTM D 1945-19 (Modified) supported by Documented In-House Method LM-GC-01
PETROLEUM and PETROLEUM PRODUCTS including LUBRICANTS	Determination of: Carbon (75-87%mass),	ASTM D5291-21 using ThermoFlash 2000 Analyser CHN
PETROLEUM and PETROLEUM PRODUCTS	Ash content	IP 4/05(12) EN ISO 6245:02
	Density and relative density of liquids by digital density meter	IP 365/97(20) EN ISO 12185:96



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### **INEOS Chemicals Grangemouth Ltd**

#### 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)	Chemical and Physical Tests cont			
	Sulphur in petroleum products by energy dispersive X-ray fluorescence		IP 336/04(22) EN ISO 8754:03	
	Water content - distillation method		IP 74/00(14) ISO 3733:99	
REFINERY GAS	Determination of Composition of Fuel Gas Streams Chemical composition: Amount fraction (% mol/mol and % m/m)		Documented in-house method LM-GC-11 using gas chromatography	
	Component Methane Ethane Ethane Ethene Propane Propene n-Butane iso-Butane trans-2-Butene iso-Butene 1-Butene cis-2-Butene 1,3 Butadiene n-Pentane iso-Pentane Cyclopropane Propadiene Acetylene >n-Pentane Hydrogen Sulphide Hydrogen Helium Carbon Dioxide Carbon Monoxide Nitrogen Oxygen	(% mol) 0.01 to 91.1 0.01 to 99.9 0.01 to 36.3 0.01 to 99.9 0.01 to 20.0 0.01 to 23.4 0.01 to 10.2 0.01 to 4.0 0.01 to 2.0 0.01 to 4.1 0.01 to 2.0 0.01 to 5.8 0.01 to 3.1 0.01 to 4.2 0.01 to 0.09 0.01 to 1.9 0.01 to 2.0 0.01 to 2.0 0.01 to 99.9 0.01 to 99.9 0.02 to 10.0 0.02 to 6.2 0.02 to 75 0.02 to 20.0		
END				