


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING 2784</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Murco Petroleum Limited</h3>	
	<p>Issue No: 005 Issue date: 22 November 2010</p>	<p>Milford Haven Refinery PO Box 10 Milford Haven SA73 3JD</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
<p>PETROLEUM and PETROLEUM PRODUCTS</p> <p>Refinery Fuel Gas, North and South</p>	<p><u>Chemical and Physical Tests</u></p> <p>Chemical composition: (%mol/mol)</p> <p>Carbon dioxide 0.01 to 2 Hydrogen sulphide 0.01 to 2 Carbon monoxide 0.01 to 0.50 Hydrogen 0.01 to 82 Oxygen 0.01 to 22 Nitrogen 0.01 to 7 1,3-butadiene 0.01 to 0.5 Methane 0.01 to 30 Ethane 0.01 to 15.0 Ethylene 0.01 to 10.0 Propane 0.01 to 5.0 Propylene 0.01 to 5.0 Iso butane 0.01 to 2.0 Iso butylene 0.01 to 1.50 Cis-2-butene 0.01 to 1.50 Trans-2-butene 0.01 to 1.0 Normal butane 0.01 to 2.0 N-1-butene 0.01 to 1.0 Iso-pentane 0.01 to 1.50 Normal pentane 0.01 to 1.50 Hexanes (hydrocarbons containing C6 or more) 0.01 to 0.50</p>	<p>Documented In-House Methods in the series MH xxx</p> <p>MH 085 by GC based on DIN 51666 method</p>
<p>Refinery Fuel Oil and Distillates, Gas Oil</p>	<p>Molecular weight calculation</p> <p>Carbon and Hydrogen content</p> <p>Calorific value</p>	<p>IP 432/2000</p> <p>ASTM D5291-10</p> <p>ASTM D240-09 (MH 025)</p>



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Murco Petroleum Limited

Issue No: 005 **Issue date:** 22 November 2010

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) Refinery Fuel Oil and Distillates, Gas Oil (cont'd)	<u>Chemical and Physical Tests</u> (cont'd) Density Sulphur 0.1 to 2.0% mass	Documented In-House Methods in the series MH xxx IP 365/07 IP 336/04 by EDXRF
	END	