


# 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>Valero Energy Ltd</h3> <p><b>Issue No:</b> 010    <b>Issue date:</b> 07 November 2011</p>	
	<p><b>Pembroke Refinery Laboratory</b> Pembroke Plant Pembroke SA71 5SJ</p>	<p><b>Contact:</b> Mr C Davies <b>Tel:</b> +44 (0)164 664 9670 <b>Fax:</b> +44 (0)1646 664 1044 <b>E-Mail:</b> chris.davies2@valero.com <b>Website:</b></p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PETROLEUM and PETROLEUM PRODUCTS	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented in house procedures
Aviation Turbine Fuel	Acidity of AVTUR colour indicator titration	*IP-ASTM Joint Method LAB/SOP/xxx Documented In-House Method  IP 354*ASTM D3242
	Colour, Saybolt	ASTM D6045
	Copper corrosion	IP 154*ASTM D130
	Density at 15 °C	IP 365 ASTM D4052
	Distillation characteristics at atmospheric pressure	IP 123 ASTM D86
	Doctor Test	IP 30
	Electrical conductivity	IP 274*ASTM D2624
	Flash point by Abel closed cup	IP 170
	Freezing point of aviation fuels	IP 529*ASTM D7153 Automatic Laser Method
	Hydrocarbon types by FIA	IP 156*ASTM D1319
	JFTOT - Thermal oxidation stability of gas turbine fuels	IP 323*ASTM D3241



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

**Chevron Limited**

**Issue No: 010 Issue date: 07 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 and Physical Tests</u> (cont'd)	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented in house procedures
Aviation Turbine Fuel (cont'd)	Mercaptan sulphur	*IP-ASTM Joint Method LAB/SOP/xxx Documented In-House Method  IP 342*ASTM D3227
	Particle contaminant in aviation fuel	IP 423*ASTM D5452
	Smoke point	IP 57 ASTM D1322
	Sulphur content	IP 336 (Mod) by XRF ASTM D4294
	Viscosity kinematic at -20 °C	IP 71, Section 1*ASTM D445
	Water content	IP 438
	Water separation characteristics	ASTM D3948
Refinery Gas Analysis	Hydrocarbon composition (Mol %)	LAB/SOP/402 by RGA-GC
	Hydrogen 0.1 to 80 Oxygen 0.1 to 1.0 Nitrogen 0.1 to 99 Methane 0.1 to 30 Ethane 0.1 to 13.0 Ethylene 0.1 to 13.0 Propane 0.1 to 6.0 Propylene 0.1 to 5.0 Iso-butane 0.1 to 1.0 n-Butane 0.1 to 1.0 1-Butene 0.1 to 1.0 Iso-butylene 0.1 to 3.0 Cis-2-butene 0.1 to 3.0 Isopentane 0.1 to 3.0 n-Pentane 0.1 to 3.0	
	END	