

Accreditation Scope

**Abu Dhabi Gas Industries Limited (Trading as ADNOC Gas Processing) –
ADNOC Gas Processing Ruwais Laboratory, NAL 112
Testing Laboratory (ISO/IEC 17025:2017)
Ruwais, Abu Dhabi, UAE**

Issue Date: 27-09-2020

Expiry Date: 26-09-2023

Issue No.: 04

Testing Field	Materials/ Products tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-Site (S)
Chemical	Granulated Sulphur	Acidity as H ₂ SO ₄ of granulated Sulphur / Minimum 10 ppm weight	SOP No: ORTL-SOP-001 based on BS 4113 & ISO 3704	P
	Propane & Butane	Determination of Hydrocarbons in Liquefied Petroleum Gases and Propane / Propene Mixtures by Gas Chromatography/ 0.01 to 100 all in mol%	ASTM D2163 – 19	P
		Calculation of Certain Physical Properties of Liquefied Petroleum Gases from Compositional Analysis by calculation	ASTM D2598 - 16	
		Sulfur in Petroleum Gas by Oxidative Micro-coulometry/ 1.5 to 100 mg/kg	ASTM D3246 - 15	
		Hydrogen Sulfide in Liquefied petroleum Gas (Lead Acetate Method) 0.15 to 0.2 grain of hydrogen sulfide per 100 ft ³ , By Qualitative Negative (PASS) / Positive (FAIL)	ASTM D2420 – 18	
		Copper Strip Corrosion by Liquefied petroleum Gas / Copper strip corrosion 1 to 4 classifications	ASTM D1838 - 20	
		Residues in Liquefied Petroleum Gases Residue / Nearest 0.05 ml Oil stain Nearest 0.1 ml R & O Number By weathering	ASTM D2158 - 16ae1	

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Chemical	Propane	Dryness of Propane – Valve Freeze Method / If valve does not freeze off within 60 seconds result to be reported as PASS If valve does freeze off within 60 seconds result to be reported as FAIL	ASTM D2713 - 20	P
	Paraffinic Naphtha	Vapor Pressure of Petroleum Products - Reid Method / Less than 180 kpa (26 psi)	ASTM D323 – 20a	P
		Trace Quantities of Sulfur in Light Liquid Petroleum Hydrocarbons by Oxidative Micro coulometry / 3 to 1000 mg/kg	ASTM D3120 – 19	
		Thiol Mercaptan Sulfur in Gasoline, Kerosene, Aviation Turbine, and Distillate Fuels by Potentiometric Method / 3 mg/kg – 100 mg/kg	ASTM D3227 - 16	
		Saybolt Color of Petroleum Products –Saybolt Chromometer Method / -16 to +30 color number Color comparator	ASTM D156 – 15	
Chemical	Paraffinic Naphtha	Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure / IBP Min 25 °C -- / FBP Max 170 °C	ASTM D86 – 20b	P

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		Qualitative Analysis for Active Sulfur Species in Fuels and Solvents Doctor Test / H ₂ S Negative/Positive By Qualitative	ASTM D4952 – 17	
		Density, Relative Density, and API Gravity of Liquids by Digital Density Meter / 0.6400 – 0.6800 Kg/L @ 15 °C	ASTM D4052 – 18a	
		Corrosiveness to Copper from Petroleum Products by Copper Strip Test / 1a to 4c	ASTM D130 – 19	
END				