

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020  
File Manager: Hamza Khan



ACCREDITED  
**TESTING**  
ISO/IEC 17025:2017  
No. ATL 0038

### Testing Laboratory Accreditation No. ATL 0038

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognised International Standard ISO/IEC 17025:2017, "General requirements for the competence of testing and calibration laboratories"

SGS Inspection Services Saudi Arabia Ltd	
<p>Address. SGS Building, Road 112 Cross 293, Support Industries, Jubail Third Industrial Area, P.O. Box 725, Al Jubail - 31951, Saudi Arabia. Kingdom of Saudi Arabia</p>	<p>Contact Person: Nishad Abdulkhader Tel No: +966 13 340 00 44 Fax No: +966 13 342 02 12 Mob: 0562217588 Email: nishad.abdulkhader@sgs.com Web Address: <a href="http://www.sgs.com">www.sgs.com</a></p>

#### **Locations where testing activities covered by the above Accreditation Standard are undertaken**

##### 1- address:

SGS Building, Road 112 Cross 293, Support Industries, Jubail third Industrial Area, P.O. Box 725, Al Jubail - 31951  
SGS Inspection Services S.A. Ltd, PO BOX 738, Saudi Arabia - 41911 - Yanbu Al Bahr

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020  
File Manager: Hamza Khan



**For the following scope:**

**Scope:**

**7. Chemical Testing:**

- 7.81 Constituents of the environment
- 7.21 Miscellaneous petroleum products

**Scope details are as follows:**

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020  
File Manager: Hamza Khan

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Chemical Testing	Petroleum	Hydrocarbon Types by FIA	ASTM D1319/IP 156	
Chemical Testing	Petroleum	Microscopy Smoke Point of Kerosene and Aviation Turbine Fuel	ASTM D1322/IP 598	
Chemical Testing	Petroleum	Water and Sediment in Petroleum Products by the Centrifuge Method	ASTM D1796/D 2709/D 4007	
Chemical Testing	Petroleum	Naphthalene in Aviation Fuels	ASTM D1840	
Chemical	Petroleum	Oxidation Stability of Distillate Fuel Oil (Accelerated Method)	ASTM D2274 /ISO 12205	
Chemical Testing	Petroleum	Freezing Point of Aviation Fuels	ASTM D2386 / D7153	
Chemical Testing	Petroleum	Cloud Point in Petroleum Products	ASTM D5771 /D 2500/ISO 3015	

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020

File Manager: Hamza Khan

Chemical Testing	Petroleum	Cold Filter Plugging Point	ASTM D6371 /IP 309/EN 116	
Chemical Testing	Petroleum	Conductivity of Aviation and Distillate Fuels	ASTM D2624	
Chemical Testing	Petroleum / Petrochemicals	Bromine Index/Number of Petroleum Hydrocarbons by Electrometric Titration	ASTM D 1492/IP 130/ASTM D 1159/ASTM D 2710	
Chemical Testing	Petroleum	Mercaptan Sulphur & H <sub>2</sub> S in Petroleum Hydrocarbons	ASTM D3227 /UOP 163/IP 342/ISO 3012	
Chemical Testing	Petroleum	Thermal Oxidation Stability of Aviation Turbine Fuel (JFTOT Procedure)	ASTM D3241	
Chemical Testing	Petroleum	Acidity in Aviation Turbine Fuels	ASTM D3242	
Chemical Testing	Petroleum	Calculated Heat Val, Comp Factor and Rel Density of Gaseous Fuels	ASTM D3588/ISO 6976	
Chemical Testing	Petroleum	Gum Content in Aviation Fuels by Jet Evaporation Method	ASTM D381/IP 540	
Chemical Testing	Petroleum	Water Separation Characteristics of Aviation Turbine & Middle Distillate	ASTM D3948/D 7224/D 7261	
Chemical Testing	Petroleum	Sediments in Crude Oils and Fuel Oils by Extraction Method	ASTM D473	

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020  
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Chemical Testing	Petroleum	Particulate Contamination Petroleum Products	ASTM D5452/IP 440/D 6217/ISO 12662	
Chemical Testing	Petroleum	Total Sulphur in Light Hydrocarbons and Fuels by UVF	ASTM D5453/ISO 20846/D 7183	
Chemical Testing	Petroleum	Hydrogen Sulphide in the Vapour Phase above Residual Fuel Oils	ASTM D5705	
Chemical Testing	Petroleum	Lubricity of Diesel Fuels by HFRR	ASTM D6079/ISO 12156	
Chemical Testing	Petroleum	Aromatic Hydrocarbon Types in Middle Distillates & Aviation Turbine Fuel by HPLC	ASTM D6591/IP 391/ISO 12916/D 6379	
Chemical Testing	Petroleum	Distillation of Petroleum Products at Atmospheric Pressure	ASTM D86/IP 123/ISO 3405	
Chemical Testing	Petroleum	Flash Point by Pensky-Martens Closed Cup Manual Tester	ASTM D93/IP/ISO 2719	
Chemical Testing	Petroleum	Water in Petroleum Products and Bituminous Materials by Distillation	ASTM D95/D 4006/ ISO 3733	
Chemical Testing	Petroleum	Pour Point of Petroleum Products	ASTM D97 /ASTM D5950/D 5853/ISO 3016	
Chemical Testing	Petroleum	Abel Flash Point - Closed-Cup	IP 170/ISO 13736	

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020

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 ISO/IEC 17025:2017  
 No. ATL 0038

		method		
Chemical Testing	Petroleum	Sediment in Residual Fuel Oils and Distillate Blends by Filtration	IP 375/IP 390 / ASTM D4870/ISO 10307	
Chemical Testing	Petroleum	Level of Cleanliness of Aviation Turbine Fuel	IP 565	
Chemical Testing	Petroleum	Hydrogen Sulphide in Fuel Oils – Rapid Liquid Phase Extraction Method	IP 570	
Chemical Testing	Water and wastewater	Total Alkalinity (as mg/l CaCO <sub>3</sub> )	APHA 2320 B	
Chemical Testing	Water and wastewater	Dissolved Oxygen	APHA 4500-O G	
Chemical Testing	Water and wastewater	Electrical Conductivity	APHA 2510 B	
Chemical Testing	Water and wastewater	Salinity	APHA 2520 B	
Chemical Testing	Water and wastewater	Total Suspended solids	APHA 2540 D	
Chemical Testing	Water and wastewater	Total Dissolved Solids	APHA 2540 C	
Chemical Testing	Water and	pH	APHA 4500 - H+B	

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020

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 ISO/IEC 17025:2017  
 No. ATL 0038

	wastewater			
Chemical Testing	Water and wastewater	Residual Chlorine	APHA 4500 Cl G	
Chemical Testing	Water and wastewater	Turbidity (NTU)	APHA 2130 B	
Chemical Testing	Water and wastewater	Cations by IC	ASTM 6919	
Chemical Testing	Water and wastewater	Oxyhalides by IC	APHA 4110 D	
Chemical Testing	Water and wastewater	Anions by IC	APHA 4110 B	
Chemical Testing	Water and wastewater <sup>9</sup>	Cyanide	APHA 4500-CN E	
Chemical Testing	Water and wastewater	Sulphide	APHA 4500-S2- D	
Chemical Testing	Water and wastewater	Total Kjeldahl Nitrogen	APHA 4500 Norg B	
Chemical Testing	Water and wastewater	Total Phenols	APHA 5530 D	
Chemical Testing	Soil	Sodium Absorption Ratio (SAR)	Calculation	
Chemical Testing	Water and	Silica	APHA 4500-SiO2 D	

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020

File Manager: Hamza Khan

	wastewater			
Chemical Testing	Water and wastewater	Total Nitrogen	ASTM D 8083	
Chemical Testing	Water and wastewater	Total Organic Carbon	APHA 5310 C	
Chemical Testing	Water and wastewater	Metals by ICP-OES ( Al, Sb, As, Ba, Be, B, Cd, Cr, Co, Fe, Pb, Mn, Ni, Mo, P, Si, Sr, V, Zn) Metals by ICP (Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn)	USEPA 200.7/APHA 3120 B	
Chemical Testing	Contaminated Soil and Waste water		USEPA 3051 A/3052/6010 D	
Chemical Testing	Contaminated Soil and Water		USEPA 5021A / 8260 D	
		Volatile Organic Compounds		
Chemical Testing	Water and waste water	Semivolatiles	USEPA 3510C / 8270 D	
Chemical Testing	Contaminated Soil	Semivolatiles	USEPA 3540C / 8270 D	
Chemical Testing	Water, Waste water and soil	TPH (C6-C9)	USEPA 5021A / 8015 D	
Chemical Testing	Contaminated water and waste water	TPH (C10-C35)	USEPA 3510 C / 8015 D	



## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020

File Manager: Hamza Khan

Chemical Testing	Contaminated Soil	TPH (C10-C35)	USEPA 3540C / 8015 D	
Chemical Testing	Water and waste water	Oil & Grease	APHA 5520B	
Chemical Testing	Contaminated Soil	TPH	USEPA 9071B	
Chemical Testing	Air/Emission	Particulate Matter	USEPA 1 Through 5	
Chemical Testing	Air/Emission	Oxygen (O2)	USEPA Method 3A	
Chemical Testing	Air/Emission	Carbon Dioxide (CO2)	USEPA Method 3A	
Chemical Testing	Air/Emission	Sulphur Dioxide (SO2)	USEPA Method 6C	
Chemical Testing	Air/Emission	Oxides of Nitrogen (NOx)	USEPA Method 7E	
Chemical Testing	Air/Emission	Carbon Monoxide (CO)	USEPA Method 10	
Chemical Testing	Air/Emission	Total Fluoride	USEPA Method 13A	
Chemical Testing	Air/Emission	Ammonia (NH3)	USEPA Method CTM - 027	
Chemical Testing	Petroleum & Petrochemical	Acid Number by Titration	ASTM D974/D1613/D664/IP 182	
Chemical Testing	Petroleum & Petrochemical	API Gravity/Density/Specific Gravity	ASTM D1298/D4052/D287/D5002/ISO 3675/ISO 12185	
Chemical Testing	Petroleum & Petrochemical	Ash Content	ASTM D482/D1119/ISO 6245/IP 4	

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020  
File Manager: Hamza Khan

Chemical Testing	Petroleum & Petrochemical	Color	ASTM D156/D1209/D1500/D6045/IP 196/ISO 2049	
Chemical Testing	Petroleum	Carbon Residue	ASTM D4530/D189/ISO 10370/ISO 6615/IP 398/IP 13	
Chemical Testing	Petroleum & Petrochemical	Distillation	ASTM D86 /IP 123/ISO 3405	
Chemical Testing	Petroleum	Existent Gum	ASTM D381/IP 540	
Chemical Testing	Petroleum	Flash Point	ASTM D93/IP34/ISO 2719	
Chemical Testing	Petroleum	Flash Point	IP 170/ISO 13736	
Chemical Testing	Petroleum	Hydrocarbon Types in Liquid Petroleum by FIA	ASTM D1319/IP 156	
Chemical Testing	Petroleum	Kinematic/Dynamic Viscosity	ASTM D445/D7042/ISO 3104	
Chemical Testing	Petroleum	Mercaptan Sulfur	ASTM D3227 /UOP 163/IP 342/ISO 3012	
Chemical Testing	Petroleum	Pour Point	ASTM D97/ASTM D5950/D 5853/ISO 3016	
Chemical Testing	Petroleum	Sediment by Extraction	ASTM D473	
Chemical Testing	Petroleum	Sulphur in Petroleum Products by XRF	ASTM D4294/ISO 8754/IP 336	

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020  
File Manager: Hamza Khan

Chemical Testing	Petroleum	Vapor Pressure	ASTM D323/ISO 3007/IP69	
Chemical Testing	Petroleum	Water by Distillation	ASTM D95/D 4006/ ISO 3733	
Chemical Testing	Petroleum & Petrochemical	Water by Karl Fischer, Coloumetric	ASTM D6304/D4928/E1064/D1631/ISO10337/IP386	
Chemical Testing	Petroleum & Petrochemical	Water by Karl Fischer, Volumetric	ASTM E203/D1364/D4377	
Chemical Testing	Petroleum	Water Separation Characteristics	ASTM D3948 /D 7224/D 7261	
Chemical Testing	Petrochemical	Glycol Impurities	ASTM E2409	
Chemical Testing	Petroleum	Research Octane Number	ASTM D2699	
Chemical Testing	Petroleum	Elements in Petroleum Products	ASTM D5185/IP 501/D7111	
Chemical Testing	Petroleum	Oxygenates & Aromatics	ASTM D4815/ASTM D5580/ASTM D7754	
Chemical Testing	Petroleum & Petrochemical	Trace Sulfur	ASTM D5453/ASTM D7183	
Chemical Testing	Petroleum & Petrochemical	Trace Nitrogen	ASTM D7184/ASTM D4629	
Chemical Testing	Petroleum	Water & Sediments by Centrifuge	ASTM D1796/ASTM D4007/D2709	
Chemical Testing	Petrochemical	UV Transmittance in MEG	ASTM E2193	

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 08-10-2020  
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Chemical Testing	Petrochemical	Aldehydes in Glycols	ASTM E2313	
Chemical Testing	Petrochemical	Iron in Trace Quantities	ASTM E394	

**Note:** the text in blue indicates the new scope OR update in the Edition of a test method in this issue of the scope of accreditation.

### Log of Suspended Scopes: NA

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Date Suspended	Date Reinstated

### Log of Withdrawn Scopes: NA

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Date Withdrawn

**GAC**

مركز الإعتداف الخليجي  
GCC ACCREDITATION CENTER



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**END**

This conformity assessment body (CAB) is recorded as issuing GAC accredited reports to organizations in the countries listed below. This list is current at the time of issue of this schedule.

United Arab Emirates	Bahrain	Saudi Arabia	Oman	Qatar	Kuwait	Yemen