

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



ACCREDITATION CERTIFICATE

Testing Laboratory
No. ATL 0106

Geo-Chem Mozambique Lda, (Head Office), Av.A.Luthuli, 15, 1103 – Maputo (Mozambique)

Location#1 – Matola, Samcol Terminal - Lingamo - Rua dos combustíveis, Parcela 729, 1289, Matola (Mozambique)

Location#2 – Beira, Samcol Terminal –, Bairro da Munhava – Rua Kruss Gomes Cp 1385, Beira (Mozambique)

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”

A laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (refer to joint ISO-ILAC-IAF communiqué, April 2017).

This accreditation demonstrates technical competence for a defined scope, as detailed in and at the locations specified in the scope of accreditation, the accreditation scope to this certificate is an essential accreditation document and from time to time may be revised and reissued by the GCC Accreditation Center. The most recent issue of the scope of accreditation which bears the same accreditation number as this certificate, is available from the GAC website www.gcc-accreditation.org

The accreditation is subject to continuing conformity with GAC Accreditation requirements and the status of accreditation can be checked in the GAC's website to confirm the validity of this accreditation.

Issue Date:

19th May 2021

Internal project number: AC 0028-5
Initial Accreditation Date: 19th May 2021

Director General, GCC Accreditation Center.



10.6 Scope of Accreditation

Issue No: 01/ Issue Date: 19th May 2021
File Manager: Atta Subhan



ACCREDITED
TESTING
ISO/IEC 17025:2017
No. ATL 0106

Testing Laboratory Accreditation No. ATL 0106

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"

GEO-CHEM (MOZAMBIQUE Lda)	
<p>Address:</p> <p>GEO-CHEM Maputo (Head Office), Av.A.Luthuli, 15, 1103 – Maputo (Mozambique)</p>	<p>Contact Person: Mr. Riccardo Castelli Villa / Dr. Sindhu Seelan</p> <p>Tel: +258843126286/+971-543226234</p> <p>Fax: Not applicable</p> <p>Email: riccardo.castelli@geochemglobal.com sindhu.seelan@geochemglobal.com</p> <p>Web Address: www.geochem.ae</p>

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

- 1- **Address: Location#1 – Matola, Samcol Terminal A - Recinto do Porto de Matola, Lingamo - Rua dos combustíveis, Parcela 729, 1289, Matola (Mozambique)**
- 2- **Address: Location#2 – Beira, Samcol Terminal – Recinto do Porto da Beira, Bairro da Munhava – Rua Kruss Gomes Cp 1385, Beira (Mozambique)**

For the following scope:

Version: 3.6

Date: 24th July 2019

Approved by: Brahim Houla

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Issue No: 01/ Issue Date: 19th May 2021
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Scope:

7. Chemical Testing:

7.16 Fuels

7.16.01 Gaseous fuels

7.16.02 Liquid fuels

Scope details are as follows:

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Location#1 – Matola, Samcol Terminal A - Recinto do Porto de Matola, Lingamo - Rua dos combustíveis, Parcela 729, 1289, Matola (Mozambique)

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Chemical	Petroleum Products	Appearance and Color	Visual	
	Petroleum Products	Color (Saybolt)	ASTM D 6045-20	
	Petroleum Products	ASTM COLOR	ASTM D 1500-12(2017)	
	Petroleum Products	Density @ 15 °C	ASTM D 4052-18a	
	Petroleum Products	Density	ASTM D 1657-12(Reapproved 2017)	
	Petroleum Products	Water Content by Karl Fischer Coulometric titration	ASTM D6304-20	
	Petroleum Products	Water by distillation	ASTM D 95-13(Reapproved 2018)	
	Petroleum Products	Corrosiveness to Copper by Copper strip test	ASTM D 130-19	
	Petroleum Products	Distillation	ASTM D 86-20a	
	Petroleum Products	Vapour Pressure (Reid method)	ASTM D 323-20	
	Petroleum Products	Sulphur	ASTM D 4294-16	

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Petroleum Products	Flash point – Abel Closed cup method(-5 to 66.5C)	IP 170	
Petroleum Products	Flashpoint- Pensky Martin Closed Cup(40 to 370C)	ASTM D93-20	
Petroleum Products	Pour point	ASTM D97-17b	
Petroleum Products	Cloud point(<49C)	ASTM D 2500-17a	
Petroleum Products	Kinematic viscosity@40C	ASTM D445-19a	
Petroleum Products	Qualitative analysis for active Sulphur species (Doctor test)	ASTM D 4952-12(Reapproved 2017)	
Petroleum Products	Acid number	ASTM D 974-14	
Petroleum Products	Ash content	ASTM D 482-19	
Petroleum products	Total Oxygenates	ASTM D 7423-17	
Petroleum products	Hydrocarbon types by Fluorescent Indicator Adsorption (FIA)	ASTM D 1319-19	
Aviation and Distillate fuels	Electrical Conductivity	ASTM D 2624-15	
Aviation turbine fuel	Smoke point	ASTM D 1322-19	
Aviation turbine fuel	Thermal oxidation stability of Aviation turbine	ASTM D 3241-20a	

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		fuels (JFTOT)		
	Aviation turbine fuel	Water separation characteristics by Portable Separometer	ASTM D 3948-14 Procedure A	
	Aviation fuel	Freezing Point	ASTM D 2386-19	
	Aviation fuel	Kinematic Viscosity @ -20C	ASTM D 445-19a	
	Aviation fuel	Gum content in fuels (Existent gum)	ASTM D 381-19	
	Aviation fuel	Net Heat of Combustion (Calorific value)	ASTM D 3338/ D3338M-20a	
	Jet fuel	Naphthalene hydrocarbons by UV Spectrophotometry	ASTM D 1840-07(Reapproved 2017)	
	Automotive fuel (Petrol)	Water tolerance	SANS 1598-2019 Annex B	
	Gasoline	Oxygenates	ASTM D 4815-15b(reapproved 2019)	
	Distillate fuel	Cetane Index- Calculated	ASTM D 4737-10(2016)	
	Distillate fuel	Cetane Index- Calculated	ASTM D 976-06(Reapproved 2016)	
	Middle Distillate Petroleum fuels (Gasoil)	Oxidation stability(Accelerated method)	ASTM D2274-14(Reapproved 2019)	
	Diesel and Domestic heating fuels	Cold Filter Plugging point (CFPP)	ASTM D 6371-17a	
	Liquified Petroleum Gases	Hydrocarbon in LP gases	ASTM D 2163-14(Reapproved 2019)	

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Location#2 – Beira, Samcol Terminal – Recinto do Porto da Beira, Bairro da Munhava – Rua Kruss Gomes Cp 1385, Beira (Mozambique)

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Chemical	Petroleum Products	Appearance and Color	Visual	
	Petroleum Products	Color (Saybolt)	ASTM D 6045-20	
	Petroleum Products	ASTM COLOR	ASTM D 1500-12(2017)	
	Petroleum Products	Water Content by Karl Fischer Coulometric titration	ASTM D6304-20	
	Petroleum Products	Water by distillation	ASTM D 95-13(Reapproved 2018)	
	Petroleum Products	Flashpoint- Pensky Martin Closed Cup (40 to 370C)	ASTM D93-20	
	Petroleum Products	Flash point – Abel Closed cup method (-5 to 66.5C)	IP 170	
	Petroleum Products	Qualitative analysis for active Sulphur species (Doctor test)	ASTM D 4952-12(Reapproved 2017)	
	Petroleum Products	Corrosiveness to Copper by Copper strip test	ASTM D 130-19	

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Petroleum Products	Distillation	ASTM D 86-20a	
Petroleum Products	Acid number	ASTM D 974-14	
Petroleum Products	Sulphur	ASTM D 7039-15a	
Petroleum Products	Vapour Pressure (Reid method)	ASTM D 323-20	
Petroleum products	Hydrocarbon types by Fluorescent Indicator Adsorption (FIA)	ASTM D 1319-19	
Petroleum Products	Kinematic viscosity@40C	ASTM D445-19a	
Petroleum Products	Carbon residue (Micro method)	ASTM D 4530-15 (Reapproved 2020)	
Liquid Petroleum Products	Density (Hydrometer method)	ASTM D 1298-12b (Reapproved 2017)	
Aviation turbine fuel	Smoke point	ASTM D 1322-19	
Aviation fuels	Net Heat of Combustion (Calorific value)	ASTM D 3338/ D3338M-20a	
Aviation fuel	Freezing Point	ASTM D 2386-19	
Aviation and Distillate fuels	Electrical Conductivity	ASTM D 2624-15	
Distillate fuels	Cetane Index- Calculated	ASTM D 4737-10(2016)	
Distillate fuels	Cetane Index- Calculated	ASTM D 976-06(Reapproved 2016)	
Middle Distillate Fuels	Particulate contamination	ASTM D 6217-18	

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	Middle Distillate Petroleum fuels (Gasoil)	Oxidation stability(Accelerated method)	ASTM D2274-14(Reapproved 2019)	
	Automotive fuel (Petrol)	Water tolerance	SANS 1598-2019 Annex B	
	Diesel and Domestic heating fuels	Cold Filter Plugging point (CFPP)	ASTM D 6371-17a	
	Liquified Petroleum Gas	Copper Strip Corrosion	ASTM D 1838-20	
	Liquified Petroleum Gas	Residues in LP Gases	ASTM D 2158-16a	

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.

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Log of Suspended Scopes: None

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: None

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

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