



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DCG PARTNERSHIP 1, LTD.
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CHEMICAL

Valid To: December 31, 2020

Certificate Number: 3487.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on petroleum related products:

Test	Test Method(s)
Acid Number of Petroleum Products by Potentiometric Titration	ASTM D664A
Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography	GPA 2261
Analysis of Natural Gas Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography	GPA 2177
Boiling Point Distribution of Hydrocarbons by Gas Chromatography	UOP 621
Chloride in Petroleum Distillates by Microcoulometry	UOP 779
Commercial Propane and Butane – Analysis by Gas Chromatography	ISO 7941, IP 405
Crude Petroleum and Petroleum Products – Determination of Density – Oscillating U-Tube Method	ISO 12185, IP 365
Determination of Air Saturated Vapor Pressure (ASVP) of Crude Oil	IP 481
Determination of Flash Point – Pensky-Martens Closed Cup Method	ISO 2719, IP 34
Determination of Organically Bound Trace Nitrogen – Oxidative Combustion and Chemiluminescence Method	IP 379
Determination of Specific Energy	IP 12
Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence	ASTM D5504
Determination of the Freezing Point of Aviation Fuels – Manual Method	IP 16
Determination of the Freezing Point of Aviation Turbine Fuels by the Automatic Phase Transition Method	IP 435
Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence	ASTM D5453

Test	Test Method(s)
Determination of Weak and Strong Acid Number – Potentiometric Titration Method	IP 177
Diesel and Domestic Heating Fuels – Determination of Cold Filter Plugging Point – Stepwise Cooling Bath Method	EN 116
Diesel and Domestic Heating Fuels – Determination of Cold Filter Plugging Point – Stepwise Cooling Bath Method	IP 309
Flash Point by Pensky–Martens Closed Cup Tester	ASTM D93A
IMPCA Methanol Reference Specifications – Specific Gravity	IMPCA-8
IMPCA Methanol Reference Specifications – Sulfur Content	IMPCA-11
Liquid Petroleum Products – Vapor Pressure – Part 1: Determination of Air Saturated Vapor Pressure (ASVP) and Calculated Dry Vapor Pressure Equivalent (DVPE)	EN 13016-1, IP 394
Low Trace Sulfur in Liquid Hydrocarbons by Oxidative Combustion with Ultraviolet Fluorescence Detection	UOP 987
Method for the Extended Analysis of Hydrocarbon Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Temperature Programmed Gas Chromatography	GPA 2186
Method of Extended Analysis for Natural Gas and Similar Gaseous Mixtures by Temperature Programmed Gas Chromatography	GPA 2286
Natural Gas – Determination of Composition by Gas Chromatography	ISO 6974
Natural Gas – Determination of Sulfur Compounds	ISO 6326
Natural gas – Extended Analysis – Gas Chromatographic Method	ISO 6975
Petroleum Products – Determination of Boiling Range Distribution by Gas Chromatography	IP 406
Petroleum Products – Determination of Cloud Point	ISO 3015, IP 219
Petroleum Products – Determination of Pour Point	ISO 3016, IP 15
Petroleum Products – Determination of Sulfur Content of Automotive Fuels – Ultraviolet Fluorescence Method	ISO 20846, IP 490
Petroleum Products and Crude Petroleum – Determination of Vapor Pressure – Reid Method	ISO 3007, IP 69
Petroleum Products and Lubricants – Neutralization Number – Potentiometric Titration Method	ISO 6619
Refinery Gas Analysis by Gas Chromatography	UOP 539
Standard Practice for Analysis of Reformed Gas by Gas Chromatography	ASTM D1946
Standard Test Method for Analysis of Natural Gas by Gas Chromatography	ASTM D1945
Standard Test Method for Boiling Range Distribution of Petroleum Fractions by Gas Chromatography	ASTM D2887
Standard Test Method for Cloud Point of Petroleum Products (Small Test Jar Method)	ASTM D7683

Test	Test Method(s)
Standard Test Method for Cold Filter Plugging Point of Diesel and Heating Fuels	ASTM D6371
Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	ASTM D4052
Standard Test Method for Detailed Analysis of Petroleum Naphthas through n–Nonane by Capillary Gas Chromatography	ASTM D5134
Standard Test Method for Determination of Hydrocarbons and Non-Hydrocarbon Gases in Gaseous Mixtures by Gas Chromatography	ASTM D7833
Standard Test Method for Determination of Hydrocarbons in Liquefied Petroleum (LP) Gases and Propane/Propene Mixtures by Gas Chromatography	ASTM D2163
Standard Test Method for Determination of Individual Components in Spark Ignition Engine Fuels by 100–Meter Capillary (with Precolumn) High-Resolution Gas Chromatography	ASTM D6730
Standard Test Method for Determination of Total Sulfur in Aromatic Hydrocarbons and Related Chemicals by Ultraviolet Fluorescence	ASTM D7183
Standard Test Method for Determination of Vapor Pressure (VP _x) of Petroleum Products, Hydrocarbons, and Hydrocarbon–Oxygenate Mixtures (Triple Expansion Method)	ASTM D6378
Standard Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration	ASTM D6304
Standard Test Method for Determining Chloride in Aromatic Hydrocarbons and Related Chemicals by Microcoulometry	ASTM D5808
Standard Test Method for Freezing Point of Aviation Fuels (Automatic Phase Transition Method)	ASTM D5972
Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter	ASTM D240
Standard Test Method for Nitrogen in Petroleum and Petroleum Products by Boat–Inlet Chemiluminescence	ASTM D5762
Standard Test Method for Pour Point of Petroleum Products (Automatic Air Pressure Method)	ASTM D6749
Standard Test Method for Trace Nitrogen in Aromatic Hydrocarbons by Oxidative Combustion and Reduced Pressure Chemiluminescence Detection	ASTM D6069
Standard Test Method for Trace Nitrogen in Liquid Petroleum Hydrocarbons by Syringe/Inlet Oxidative Combustion and Chemiluminescence Detection	ASTM D4629
Standard Test Method for Ultra Low Nitrogen in Aromatic Hydrocarbons by Oxidative Combustion and Reduced Pressure Chemiluminescence Detection	ASTM D7184
Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method)	ASTM D5191
Standard Test Method for Vapor–Liquid Ratio Temperature Determination of Fuels (Evacuated Chamber and Piston Based Method)	ASTM D5188
Sulfur Compounds in Light Petroleum Liquids by Gas Chromatography and Sulfur Selective Detection	ASTM D5623
Sulfur Compounds in LPG or C5 Minus Hydrocarbon Fractions by GC–SCD	UOP 791



Accredited Laboratory

A2LA has accredited

DCG PARTNERSHIP 1, LTD.

Pearland, TX

for technical competence in the field of

Chemical Testing

WITHDRAWN

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 12th day of September 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3487.01
Valid to December 31, 2020
Revised November 19, 2020

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Testing Scope of Accreditation.