

Gas Quality Industry Standards Utilized

Chromatograph Standards:

API 14.1

(Collecting and Handling of Natural Gas Samples for Custody Transfer)

ASTM D1945

(Standard Test Method for Analysis of Natural Gas by Gas Chromatography)

GPA 2145

(Table of Physical Properties for Hydrocarbons and Other Components of Interest to the Natural Gas and Natural Gas Liquids Industries)

GPA 2172

(Calculation of Gross Heating Value, Relative Density, Compressibility and Theoretical Hydrocarbon Liquid Content for Natural Gas Mixtures for Custody Transfer)

Bottle Sampling:

API 14.1

(Collecting and Handling of Natural Gas Samples for Custody Transfer)

GPA 2103

(Tentative Method for the Analysis of Natural Gas Condensate Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography)

GPA 2145

(Table of Physical Properties for Hydrocarbons and Other Components of Interest to the Natural Gas and Natural Gas Liquids Industries)

GPA 2172

(Calculation of Gross Heating Value, Relative Density, Compressibility and Theoretical Hydrocarbon Liquid Content for Natural Gas Mixtures for Custody Transfer)

GPA 2177

(Analysis of Natural Gas Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography)

GPA 2186

(Method for the Extended Analysis of Hydrocarbon Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Temperature Programmed Gas Chromatography)

GPA 2198

(Selection, Preparation, Validation, Care and Storage of Natural Gas and Natural Gas Liquids Reference Standard Blends)

GPA 2199

(Determination of Specific Sulfur Compounds by Capillary Gas Chromatography and Sulfur Chemiluminescence Detection)

GPA 2261

(Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography)

GPA 2286

(Method for the Extended Analysis for Natural Gas and Similar Gaseous Mixtures by Temperature Program Gas Chromatography)

Online Analyzers:

API 14.1

(Collecting and Handling of Natural Gas Samples for Custody Transfer)

ASTM D1142

(Standard Test Method for Water Vapor Content of Gaseous Fuels by Measurement of Dew-Point Temperature)

ASTM-WK-21026

(Analysis of Oxygen in Gaseous Fuels (Electrochemical Sensor Method))

ASTM D7607/D7607M

(Standard Test Method for Analysis of Oxygen in Gaseous Fuels (Electrochemical Sensor Method))

ASTM D4084

(Standard Test Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead Acetate Reaction Rate Method))

ASTM D4468

(Standard Test Method for Total Sulfur in Gaseous Fuels by Hydrogenolysis and Rateometric Colorimetry)

ASTM D5454

(Standard Test Method for Water Vapor Content in Gaseous Fuels Using Electronic Moisture Analyzer)

Field Tests:

API 14.1

(Collecting and Handling of Natural Gas Samples for Custody Transfer)

ASTM D4810

(Standard Test Method for Hydrogen Sulfide in Natural Gas Using Length-of-Stain Detector Tubes)

ASTM D 4888

(Standard Test Method for Water Vapor in Natural Gas Using Length-of-Stain Detector Tubes)

ASTM D 4984

(Standard Test Method for Carbon Dioxide in Natural Gas Using Length of Stain Detector Tubes)