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## **Laboratory Instruments**

Major Analytical Instruments

<b><u>Instrument</u></b>	<b><u>Purpose</u></b>
Agilent ICP-MS	Metal Analysis
Metrohm/Dionex Ion Chromatography	Water Cation Analysis
Agilent Gas Chromatography	GC Multipurpose Instrument
Petrotest AUDR Distillation Unit	Gasoline and Diesel Fuel Analysis
Petrotest PMA4 Flash Point	Gasoline Fuel Analysis
Lawler Cloud Point	Diesel Fuel Analysis
Biomerieux VIDAS	Pathogen Detection
Applied Biosystem BOX	Pathogen Detection
Milestone Ethos	Microwave Digestion Oven
Tekmar Dohrman Phoenix 8000	TOC Analysis

## **State of Wyoming Petroleum Laws**

The Wyoming Department of Agriculture administers petroleum fuel quality standards. Following are the links to official statutes and rules.

[Standards for Antifreeze and Petroleum Products: Title 40 - Chapter 7](#)  
[Wyo. Petroleum & Antifreeze Products Standards & Regs: Chapter LII](#)

The Wyoming Department of Agriculture and the Wyoming Public Service Commission administer statutes and rules relevant to the quality, transportation, sale and safety of natural gas. Following are the links to official statutes and rules.

[Standards for Natural Gas: Title 40 - Chapter 9](#)  
[Wyoming Natural Gas Pipeline Authority: Title 37 - Chapter 5](#)  
[Rates, Interchange of Services and Safety: Title 37 - Chapter 3](#)  
[Gas Utilities Only: Title 37 - Chapter 4](#)

The Wyoming Department of Transportation administers statutes concerning the labeling of alcohol blended fuels, which is located in the following statute.

### [Fuel Tax: Title 39 - Chapter 17](#)

[Wyoming Statutes](#) | [Wyoming Agencies Rules and Regulations](#) | [Fuel Dispenser Labeling](#)

## **Laboratory Certifications**

Analytical Services maintains several certifications to ensure the quality of the work we produce. Most of these are required by federal regulations, while some programs are subscribed to on a voluntary basis.

- U.S. EPA Region VIII certifies the lab under the provisions of the Safe Drinking Water Act and the Clean Water Act. The lab has been continuously certified since the early 1970's.
- Under provisions of the Pasteurized Milk Ordinance administered by the U.S. Food and Drug Administration, the lab is certified to examine raw and finished dairy products for microbiological contaminants, regulated quality factors and vitamins A and D. Lisa Murfitt is the State's certified Milk Laboratory Evaluation Officer.
- The U.S. Department of Agriculture, under provisions of the Wholesome Meat Act, certifies the laboratory to examine products from the State's slaughter houses and manufacturing facilities.
- The laboratory participates in interlaboratory split sample programs sponsored by the Association of American Feed Control Officials and the Association of American Plant Food Control Officials.

## **Antifreeze Registration**

Automotive antifreeze offered for sale in Wyoming must be registered. Registration forms are available from the State Chemist at the Analytical Services Lab. The manufacturer or bottler of the product is responsible for registration. There is no fee for registration and registration is permanent unless any of the following change.

- Product formulation
- Product label

For more information see [Wyoming Petroleum and Antifreeze laws and regulations](#) .

Click [here](#) for a printable antifreeze registration form.