PureChem™ Services

Laboratory and Analytical Capabilities

PureChem Services has a network of labs strategically located to deliver the best possible service and turnaround times to our customers. We have full service labs in Carlyle, Saskatchewan and in Calgary, Nisku, Drayton Valley and Grande Prairie, Alberta. We also have field labs at many of our area offices to support some of the more basic testing required.

Our full service labs are equipped to perform an array of analysis aimed at comprehensive product selection, product development and program design. Following is a listing of some of the testing available in our labs:

Acid Stimulations

Bacteria Testing

Corrosion Testing

Demulsifier Analysis

Dispersant Testing

Emulsion Breaker Bottle Testing

Fluid and Solids Analysis

Fracturing Fluid Customizations

Gas/Liquid, Residual Analysis

Material Compatibility Testing

Molecular Composition

Paraffin Inhibitor Testing

Particle Size Analyzing

Product Selection and Design

Produced Water Testing

Residuals Monitoring

Scale Inhibitor Program Analysis

Solid Determination/Analysis

Viscosity and Temperature Analysis

Water Analysis Reporting

Wax Analysis and PPD Testing

PureChem's Carlyle laboratory is an ISO 9001:2015 certified laboratory for quality management systems. PureChem maintains a proficiency program, which includes:

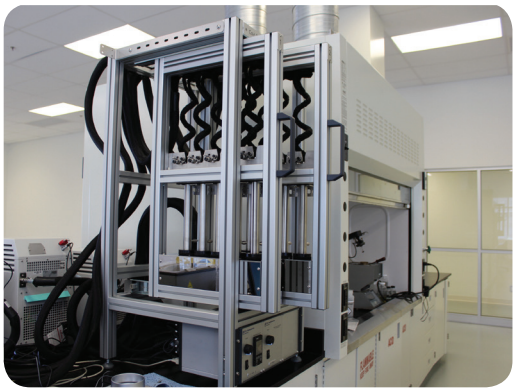
- Regular maintenance and calibration of laboratory equipment by accredited third-party laboratories
- Random spot checks on sample analysis verified by independent accredited third-party laboratories
- Testing according to ISO 9001 quality standards and ASTM test methods

Latest Laboratory Equipment for In-Depth Analysis

Our labs are staffed with locally-based experts holding professional qualifications ranging from technical diplomas to PhDs. This knowledge combined with extensive industry experience enables PureChem to deliver top notch laboratory services to our customers. Our labs are equipped with the latest instrumentation for performing in-depth analysis.

Laboratory Equipment

ATP Counts
Brookfield LVDV-II+ Viscometer
Brookfield PVS HTHP Viscometer
Brookfield PVS Rheometer
Cold Finger Apparatus
Dean-Stark/Soxhlet Combo Apparatus
Dynamic Scale Loop
Fann 35A
Flash Point (Closed Cup; good to -20°C)
Fluorescence Spectrometer
FTIR (Fourier Transform Infrared) Spectrometer
Gas Chromatography
High Pressure Liquid Chromatograph (HPLC)
ICP (Inductively Coupled Plasma)
Incubator Ovens
Laser Particle Size Analyzer
Linear Polarization Resistance Autoclave Corrosion Cells
Low Temperature Freezers (-40°C Capable)
LuminUltra Kit
Raman Spectrometer
RCE
Refractometer
Sulfur Analyzer (XRD)
Turbidity Spectrometer
UV-Vis Spectrometer
XRD



Cold Finger Apparatus

Gas Chromatograph

Inductively Coupled Plasma (ICP)

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