

LABORATORY AND ANALYTICAL CAPABILITIES

EXPERIENCED TECHNICAL SPECIALISTS

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 and Solvent Stimulations Asphaltene Dispersant Testing Asphaltene Inhibitor Testing Bacteria and Biocide Testing Chemical Residual Tracking Complete Water Analysis Corrosion Failure Examination Corrosion Inhibitor Evaluation Demulsifier Bottle Testing
Emulsion Tendency Testing
Foaming Tendency Column Testing
Frac Fluid Design and Testing
Material Compatibility Testing
Millipore Filtration and Testing
Oil Compatibility Testing
Oil in Water Testing
Paraffin Cloud Point Testing

Paraffin Dispersant Testing
Paraffin Inhibitor Testing
Particle Size Determination
Product Selection and Development
Solids and Scale Analysis
Scale Tendency Calculations
Water Clarifier Jar Testing
Water Compatibility Testing
Wax Compositional Analysis

PURECHEM'S CARLYLE, NISKU, AND GRANDE PRAIRIE LABORATORIES

are ISO 9001:2015 certified laboratories for their quality management systems. PureChem maintains a proficiency program, which includes:

Corrosion Ring and Coupon Monitoring

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





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 following instrumentation for performing in-depth analysis:

LABORATORY EQUIPMENT

Adenosine Triphosphate Luminometer

Auto-Titrator

Bacteria Incubators

Brookfield LVDV-II+ Viscometer

Brookfield PVS HTHP Viscometer

Brookfield PVS Rheometer

Cold Finger Apparatus

Coulometric Karl Fisher

Dean-Stark/Soxhlet Combo Apparatus

Differential Scanning Calorimetry

Dynamic Scale Loop

Fann 35A Viscometer

Flash Point Apparatus

Fluorescence Spectrometer

Friction Reducer Flow Loop

FTIR (Fourier Transform Infrared) Spectrometer

Gas Chromatography

Heated Centrifuge

High Pressure Liquid Chromatograph (HPLC)

HPHT Acid Corrosion Autoclave

ICP (Inductively Coupled Plasma)

Ion Chromatography (IC)

Laser Particle Size Analyzer

Linear Polarization Resistance Autoclave Corrosion Cells

Low Temperature Freezers (-40°C Capable)

Multi-Cell Jar Stirrer

Oil in Water Fluorimeter

Raman Spectrometer

Rotating Cylinder Electrode (RCE) Corrosion Cells

Refractometer

Sulfur Analyzer (XRF)

Turbidity Spectrometer

UV-Vis Spectrometer

Vapour Phase Corrosion Cell

Volumetric Karl Fisher



