

PURECHEM LAB GRANDE PRAIRIE, ALBERTA



Our second PureChem full-service lab is located in Grande Prairie, Alberta and an integral part of our operations.

The 20,000 sq. ft Completions and Production Chemical Facility, to service the drilling fluids, production and stimulation chemicals needs of Western Canada.

PureChem Services is a key player in designing chemical solutions that enhance the customers' competitive advantage. PureChem Services continues to invest heavily in the research and development of patented and proprietary solutions to meet the ever growing challenges of oil and gas production. We strive to build strong client partnerships by working together to give the customer the solutions they are looking for to achieve that competitive edge.

PureChem is able to leverage its experience as a holistic oil and gas chemical supplier to develop a unique completion chemical portfolio that provides best in class performance while maintaining synergy and compatibility within the completion package as well as with upstream and downstream chemistries.

ISO 9001:2015 certified laboratory.

OUR LAB IS FULLY EQUIPPED

- **Demulsifiers**
 - » Demulsifier Bottle Testing
 - » Demulsifier Product R&D
 - » Centrifuge and BS&W
 - » Karl Fischer Water Content
 - » Reverse Emulsion Testing
- **Corrosion Inhibitors**
 - » Corrosion Inhibitor Emulsion Tendency
 - » Copper Ion Displacement Testing
 - » Corrosion Coupon Analysis
 - » Failure Analysis
 - » Electrical Resistance Probe - Field
 - » Corrosion Inhibitor Residuals
 - » ATP by LuminUltra
 - » ABP and SRB Bottles
 - » Biomass Analysis by LuminUltra
 - » Biocide Kill Study by LuminUltra
 - » Biocide Kill Study by ABP and SRB Bottles
- **Scale Inhibitors and Water Testing Gas Dehydration and Refrigeration**
 - » Static Scale Inhibitor Bottle Testing
 - » Scale Inhibitor Compatibility Testing
 - » Scale Inhibitor Residual Testing
- **Scale Inhibitor R&D**
 - » Water Compatibilities
 - » Total Water Analysis
 - » Glycol Analysis by Gas Chromatography
- **Gas Dehydration and Refrigeration Engine Coolants and Heat Medium Glycols**
 - » Anions by Ion Chromatography
 - » Karl Fischer Water Content
 - » Iron and Manganese by Atomic Absorption
 - » Total Suspended Solids
 - » Oils and Greases by Soxhlet
 - » pH, Description, Density
 - » Technical Services
 - » Glycol Analysis by Gas Chromatography
- **Engine Coolants and Heat Medium Glycols Other Testing**
 - » Anions by Ion Chromatography
 - » Karl Fischer Water Content
 - » Iron and Manganese by Atomic Absorption
 - » Total Suspended Solids
 - » Oils and Greases by Soxhlet
 - » pH, Description, Density
 - » Azoles (Corrosion Inhibitors) by Ion Chromatography



MINIFLEX-600 POWDER X-RAY DIFFRACTION

New sixth generation MiniFlex benchtop X-ray diffractometer is a multi-purpose powder diffraction analytical instrument that can determine: **crystalline phase identification (phase ID) and quantification, percent (%) crystallinity, crystallite size and strain, lattice parameter refinement, Rietveld refinement, and molecular structure.**

THE MINIFLEX-600 XRD:

- Direct photon counting detector enables high-speed, low-noise data collection and may be operated in 0D and 1D modes for conventional XRD analysis and 2D mode for samples with coarse grain size and/or preferred orientation.
- Phase identification
- Phase quantification (phase ID)
- Percent (%) crystallinity
- Crystallite size and strain
- Lattice parameter refinement
- Rietveld refinement
- Molecular structure