

Our approach?

- Our team's **goal** goes beyond providing reliable measurements and accurate reporting; we also aim at assisting our customers in the **interpretation** of the results. Upon request, we can also help you to develop **testing** programs, analytical method **validation** and more.

Contacts?

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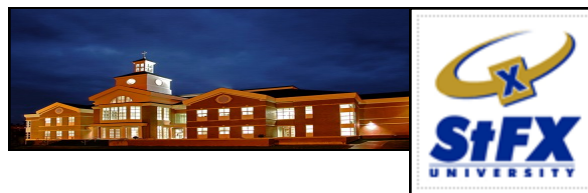
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X-CELL Analytical



*Analytical Service Lab
open for Business...*

**Oils & Fats
Analysis**



**St. Francis Xavier
University
Analytical Services Lab**

The logo for X-CELL Analytical, featuring a stylized 'X' with a blue and yellow swoosh above it, followed by the text 'CELL Analytical' in a bold, sans-serif font.

Services Brochure

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Who are we?

- **X-CELL Analytical** is an Analytical Service Lab located on the St. Francis Xavier University Campus in Antigonish, NS, **Canada**.

Our Expertise?

- We are specialized in **Oils and Fats Analysis** for which testing is carried out in compliance with **A.P.I.** (American Petroleum Institute) standards or with **A.S.T.M.** (American Society for Testing & Materials) standards

Mission Statement

“The mission of X-CELL ANALYTICAL is to serve our customers by providing reliable measurements & efficient technical support that enhances the efficiency of their processes, nurtures their R&D and encourages the growth of their business”

Oils & Fats Analysis

Measurement	Test Method
Particle Size Analysis	Laser Diffraction
Zeta potential measurement	Laser Diffraction
Molecular weight	Laser Diffraction
pH	API 13B
Concentration	Laser Diffraction
Emulsion measurement	API 13B
Dry powders measurement	Laser Diffraction
Surface tension	Per Manufacturer's Guidelines
Interfacial tension	Per Manufacturer's Guidelines
Density	ASTM D4052
Percentage of acidity	ASTM D664
p-Anisidine value	AOCS-cd18-90
Peroxide value	AOCS-cd8b-90
Concentration of soaps	AOCS-cc17-95
Oxidation stability of oils and fats	EN 14112
Water content determinations	ASTM D6304
Rheological fluid Properties (HT/HP)	API 13B
Percentage of oil and water	ASTM D2709 API 13B
Molecular structure analysis	NMR
Heat measurement	Titration / batch calorimetry
Flash point	ASTM D93
Glycerin	ASTM D6584