

# Fourier Transformed InfraRed Spectroscopy

Description

Like molecular vibrational spectroscopy, the **Fourier Transformed Infrared Spectroscopy** allows the identification of unknown compounds and the determination of structures and microstructures by detecting the presence or the absence of atoms groups.

Mainly used for the **qualitative analysis of the chemical functions** of your lubricants, the Fourier Transformed Infrared Spectroscopy also allows to **quantify their components** after calibration. Equipped by an ATR Germanium, the FTIR allows the analysis of powders, liquids or solids lubricants.

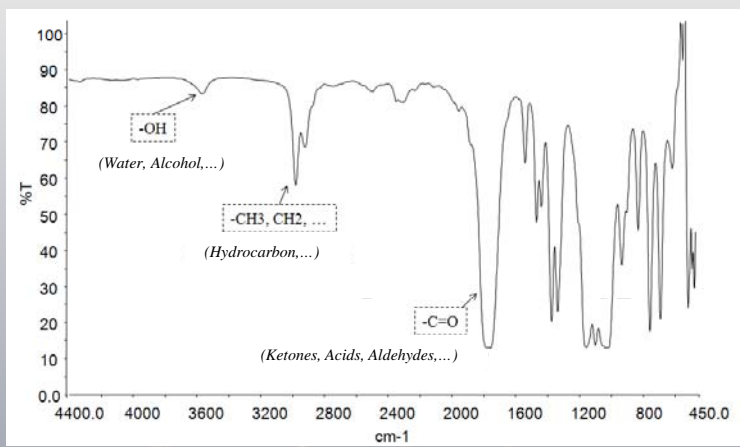
Conditions

**Products aspect** : Powders, liquids, solids

**Wavelength** :  $400\text{cm}^{-1}$  to  $4400\text{cm}^{-1}$

**Quantification** : After Calibration

Results



- Spectrograph
- Identification
- Quantification

**InS**  
 Innovation  
 Nanomaterials  
 Strategy

Zone Industrielle Lyon Nord  
 450, Rue Ampère  
 69730 Genay  
 France

Telephone: +33 4 78 72 78 48  
 Fax: +33 4 78 91 23 05  
 Email: contact@inslog.com

