

# 4 reasons to switch to Thermo Scientific FT-NIR

Don't just take our word for it...

See how easy it is to develop or transfer a near-infrared calibration on the Thermo Scientific™ Antaris™ II FT-NIR Analyzer

1. Skip instrument standardization required for dispersive techniques
2. Transfer existing methods in less than one hour
3. Support by our comprehensive global applications and service teams
4. Experience the benefit of dependable FT-NIR technology



Thermo Scientific™ SabIR™ Diffuse Reflectance Probe sold separately.

1

## Reproducible Analyzer Design

- System to system repeatability
- Performance tested to tight tolerances for unrivaled method transferability
- Superior engineering for instrument matching

2

## Calibration Transfer

- Transfer any existing NIR instrument method
- Large calibration database transfer in a single step

3

## Global Service

- Global on-site service and support
- Worldwide application support

4

## Benefits of Reliable FT-NIR

- Unmatched wavelength accuracy and precision
- Highest spectral resolution
- Rugged design and dynamic alignment provide stability in production environments

Smarter spectroscopy. Definitive answers.

# Thermo Scientific accessories for the Antaris II FT-NIR Analyzer



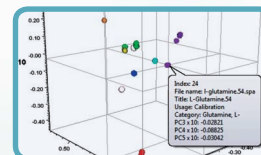
## SabIR Diffuse Reflectance Probe

- Rapid point-of-use analysis of solids
- Analyze directly or indirectly through clear packaging materials
- Integrated Spectralon® reference standard
- Two and three meter fiber optics for sampling flexibility
- Transflectance adapter for analysis of liquid samples



## Transmission module

- Analyze liquid samples in vials, tubes and cuvettes
- Optional temperature controller from ambient to 100 °C
- Includes two sample positions and dedicated reference position for background collection with samples in place



## TQ Analyst Software

- Chemometric software with all the tools necessary for basic to advanced analysis
- Intuitive and simple-to-use
- Software wizards to guide the method development process
- Advanced software diagnostics to create high performance methods



## MultiPro Autosampler

- Transmission and diffuse reflectance measurements for tablets or softgels
- InGaAs detector for transmission
- Also for diffuse reflectance of samples in glass bottles
- Interchangeable carousels



## Sample Cup Spinner

- Accurate analysis of heterogeneous solid samples
- Averages diffuse reflectance measurements across large sample cross-section
- Multiple samples cups with quartz windows available



## Specialized sampling modules

- Tablet analyzer
- Viscous liquid sampling
- Vial holder disk

## NIR applications

### Pharmaceuticals

- Tablet content uniformity & coatings
- Lyophilized material moisture & stability
- On-line process monitoring
- Hot-melt extrusion blend consistency
- Fermentation & cell culture monitoring

### Polymers & chemicals

- Incoming material verification
- Blend uniformity
- Additives, moisture, monomers
- Reaction monitoring
- Development, scale-up, on-line

### Food & agriculture products

- Raw agricultural products
- Flour milling
- Dairy products
- Edible oil
- Sugar & confections
- Beverages

Find out more at [thermofisher.com/nir](https://thermofisher.com/nir)

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