



# NIR ANALYSIS OF PET FOOD WITHIN 1 MINUTE

using InfraLUM FT-12 FT-NIR analyzer

## Parameters:

- |            |              |
|------------|--------------|
| ■ Protein  | ■ Phosphorus |
| ■ Fat      | ■ Calcium    |
| ■ Moisture | ■ Fiber      |
| ■ Ash      |              |

## MAIN PARAMETERS MEASURED

Lumex Instruments offers FT-NIR spectroscopy solutions for fast and accurate determination of key nutritional parameters in dry pet food. Analysis is completed in one minute, with no reagents or consumables required.

| Product                                | Parameters |
|----------------------------------------|------------|
| Dry food for cats<br>Dry food for dogs | Protein    |
|                                        | Fat        |
|                                        | Moisture   |
|                                        | Ash        |
|                                        | Phosphorus |
|                                        | Calcium    |
|                                        | Fiber      |

Lumex Instruments calibration models include solutions for the rapid analysis of raw materials used in the production of pet food, including meat and meat by-products, fishmeal, powdered milk, and others.

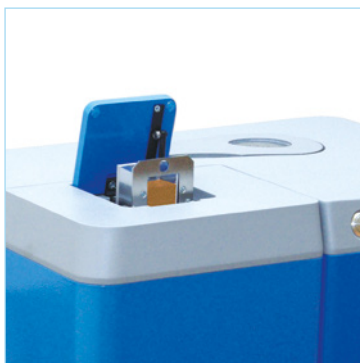
## EXTREMELY SIMPLE ANALYSIS PROCEDURE

- No reagents or consumables required
- Preparation of the sample involves only grinding
- No special requirements for personnel qualification
- The instrument comes with basic calibrations
- Open calibration models (extending of existing calibrations is possible)
- Automatic instrument testing is performed

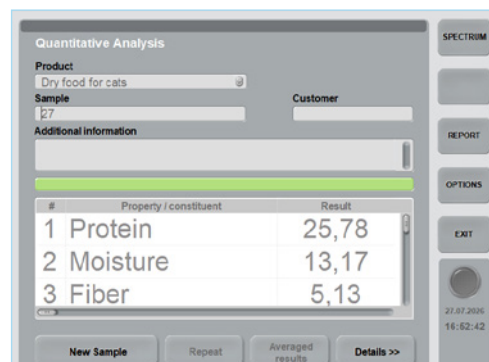
## ANALYSIS STEPS



1. Fill the sample cell with the ground sample and put it in the dedicated cell.



2. Insert the cell into the instrument, choose the analyzed sample type in the menu, and start the measurement.



3. Results for all parameters simultaneously obtained in 1 minute.

## RECOMMENDED SET

- InfraLUM FT-12 FT-NIR analyzer, or InfraLUM FT-12 Industrial FT-NIR analyzer
- Magnetic cell for granular samples 6 mm
- Calibration databases
- PC or PLC with Windows® OS



Find your local Lumex Instruments distributor:  
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The information and specifications in this publication are subject to change without notice.

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