Food & Agricultural

Analyzes From Field to Factory

Measuring Fats, Proteins, & Moisture

Why does the food and ingredient industry care about quality beyond just taste? Because we care about what ends up on our plates. Analyzing food using our process analytical technology reduces wastes and costs for the manufacture, but ensures the quality for the consumer.

Identify Counterfeit Ingredients

What makes good food? The right ingredients. Counterfeiting ingredients is big business. Brimrose makes sure that the milling is done properly and the labeling is correct.

Know When To Plant & Pick 'Em

Measure your crops for moisture, acid, and more. Brimrose helps farmers and artisans know when is the best time to harvest. Select the right seeds to produce the right crops.

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A Better Method…

AOTF-NIR spectroscopy is a non-destructive test method for quantitative and qualitative analysis of food. The method involves the following steps:

- Models are built using established GC data.
- The Luminar AOTF-NIR Spectrometers are configured in a minimal amount of time to scan the food.
- Models are imported to the Luminar's software for determining property concentrations and measuring fats, proteins, and moisture.

Advantages

AOTF-NIR spectroscopy is a non-destructive test method for quantitative and qualitative analysis of food. The method involves the following steps:

- Extremely Fast (up to 10 measurements / second)
- Customized for Purpose (ATEX / UL / IPxx)
- Immune to Ambient Light & Vibration
- Solid State, No Moving Parts
- Real-Time Dual-Beam Reference (No Drifting)
- Works Reliably in Harsh Environmental Condition

Handheld Luminar 5030 for Field Testing

A Proven Benefit

- Measure proteins and moisture with the handheld Luminar 5030 for flour, grains, grapes, fruits, and more
- Measure olives and olive oil throughout the process from raw material identification to end product
- Sorting seeds including peanuts, coffee, soybeans, watermelon, corn, and many more.

SEEDMEISTER Mark IIIx

Many More Applications

- Bread Crumbs & Bread
- Whole & Ground Wheat and Flour
- Cereal
- Honey, Corn Syrup, Molasses
- Fruit Juices
- Tea Leaves & Coffee Beans
- Meat & Meat Products
- Dairy Products

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...we invent your tomorrows