



Moisture Measurement in Blood Meal

Blood meal is produced from clean, fresh animal blood, exclusive of all extraneous material such as hair, stomach belching and urine, and is often used as a food supplement in animal feed. Moisture content is important in the manufacturing and storage process and is removed mechanically by a dewatering process.

MoistTech utilizes near-infrared (NIR) technology that allows for a non-contact solution to provide accurate moisture content readings. Insensitive to material variations such as particle size, material height & color, the sensors provide a continuous, reliable reading with zero drift and no maintenance. There is a one-time calibration with a non-drift optical design allowing operational personnel to make immediate line adjustments based on real-time measurements.

Blood meal is hygroscopic and needs to be dried to less than 10-12% moisture and stored in a dry place in order for it not to deteriorate. It is one of the highest non-synthetic sources of nitrogen available. Blood meal is a great food supplement for cattle, fish and poultry, and due to its high-lysine content, it is widely used. Monitoring the moisture levels in raw materials, controlling the mixing/blending process and moisture of the feed in the end product form not only ensures the product with consistent quality but also enables substantial savings to be achieved in the production process.

INSTALL

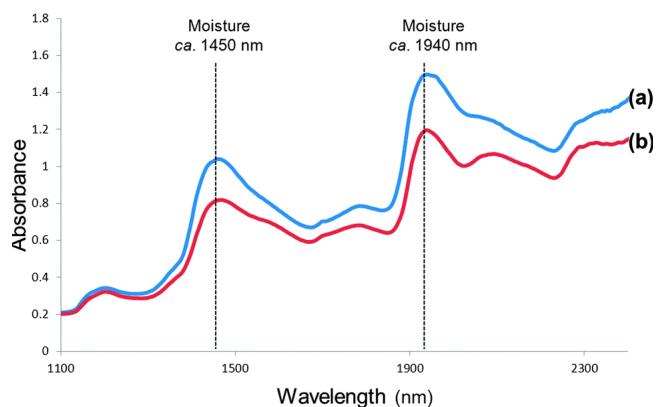
The on-line sensors can be installed into any hopper, silo, material line, belt or screw conveyor and the moisture results are displayed onto an external display or PC.

Installing a moisture measurement and control system prevents bad product due to undesirable moisture levels. Fine tuning the setup and process of the manufacturing line allows for instant improvements both in the product and in the efficiency in which it is produced.

IMMEDIATE BENEFITS:

- Improved Product Quality
- Lower Waste & Energy Costs
- Process Optimization
- Increased Plant Efficiency
- Dryer Control
- Reduced Downtime

An ideal moisture control system accurately detects the moisture levels at different stages of the process, is easily maintained and has the ability to withstand even the harshest of manufacturing conditions. The IR-3000 series of sensors manufactured by MoistTech are specifically designed to be unaffected by ambient light or material variations to be able to provide continuous, repeatable, accurate readings to improve the manufacturing line and product.



“The addition of the MoistTech IR3000 has provided me with the ability to control our process by instantly increasing or decreasing material flow into the dryer. Prior to the MoistTech technology proved to be a guessing game and time consuming!”