# Moisture Content in Almonds

## MoistTech Instant NIR Online Moisture Sensors

Moisture control in almond processing is critical to product quality; yearly the world produces 3 million tonnes of almonds to be eaten whole or processed into other foods. Depending how the almonds will be consumed determines the importance of the moisture content and is desirable at numerous stages during the manufacturing process.

MoistTech utilizes near-infrared technology allowing for a non-contact solution. Insensitive to material variations such as particle size, material height & color, our moisture sensors provide continuous, reliable readings with zero maintenance. There is a one-time calibration with a non-drift optical design allowing operational personnel to confidently make immediate process adjustments based on real-time measurements.

The high degree of quality control needed to ensure nuts are suitable for human consumption includes many factors, including maintaining proper moisture levels. Natural processed almonds come into the processing plant with existing moisture approximately around 3-4%. Pasteurization and blanching can change the moisture levels so ensuring it throughout various steps of the process is essential.

The MoistTech Online sensors can be installed into any hopper, silo, material line, belt or screw conveyor and the moisture results are displayed on a color touch screen or output on any of our many signal options.

The installation of our On-line Sensors prevents bad product due to undesirable moisture levels. Now you can fine tune your setup to make sure you are putting out a higher quality and more consistent product and ultimately improve your bottom line. Save money, time and prevent negative results due to inconsistencies and human error.

The moisture content is critical to ensure that packaged or stored almonds do not deteriorate and that processed almonds have a minimum breakage or waste ensuring the final products are of best quality.

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