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DEWPOINT MOISTURE ANALYZER FOR ALMONDS

## Almond Moisture Content Made Simple

10X MORE PRECISE. CALIBRATION FREE



**Moisture plays a key role** wherever almonds change hands. Growers want to know that they are being paid fairly. The buyer wants to make sure their almonds won't allow mold or aflatoxin growth. Everyone needs a method that is simple and consistent.

**AquaLab Series 4TE DUO** uses the "Dewpoint method" to measure moisture in almonds. The result: complete moisture analysis with some big advantages over traditional almond moisture methods.

**How it Works**  
The Dewpoint Method doesn't use dielectric signals, scales, or density calibrations. Using AquaLab is as easy as loading a sample, closing the product's lid, and waiting for vapor equilibrium.

Inside the instrument, a beam is focused on a tiny mirror to determine the dew point temperature of the air in the chamber. That temperature is then translated into almond moisture and water activity readings for a sample. The instrument is lightweight, portable, and easy to use.


**10X the Precision**  
This method is precise because small changes in moisture cause large changes in vapor pressure for almonds. This means the AquaLab measures tiny changes in moisture very precisely. In almonds this precision is typically +/-0.05% moisture content, much higher than with other methods.

**Testable Accuracy**  
Ever wonder if a moisture meter is working properly? With AquaLab, checking performance is easy. Standard salt solutions with traceability can be used whenever you want to make sure your meter is working right.

**Stop Mold and Aflatoxin**  
With AquaLab, you get both a moisture and a water activity reading. This makes it easy to check if your almonds are in a range that will support mold growth. Any lot over 0.700 aw can support mold growth.

**AquaLab DUO**

- **Odor-free** — no oven
- **Precise** — reduces error by up to 90%
- **Verifiable** — with independent salt standards
- **Repeatable** —
- **Portable** — weighs just 7 pounds
- **Easy to use** — precise measurements with minimal training
- **Secure** — offers administrative control over calibration and sample data
- **Complete moisture analysis** — both moisture content and water activity



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