



Risk Management

Controlling Moisture

Compliance

Introducing the MP-1000 Patented Technology for Moisture Profiling™

Reducing risk from moisture in
manufacture to storage and
shipping, saving invaluable
time and money.

MP-1000



Relequa® precision Moisture Profiling™ for control of moisture status in pharmaceuticals

A new technique based on well-established scientific
principles that gives you moisture analysis results to use in
making decisions in your Risk Management for handling,
packing and shipping materials.

Repeatability and Reproducibility Assuring Data Quality

Relequa's new MP-1000 Moisture Profiling™ system has
been specifically designed around newly discovered
parameters in moisture sorption, such as starting humidity
and mass of material, giving repeatable, logged results for
analysis.



Moisture Profiling™ and the WVEP



Moisture Profiling™ was created by Relequa® from observing the way materials initially interact with moisture in the air. Our unique approach is a variation on Water Activity (A_w) measurement. The crucial difference in our test methodology is that we always set up the starting %RH at a point above the Equilibrium Relative Humidity of the material. To distinguish our Moisture Profiling™ technique from A_w measurement we call the end of the Moisture Profile the **Water Vapour Equilibrium Point** or **WVEP**.

Precision Engineering

Unique glass and metal test chamber combined with an anodized metal sample holder eliminates ambient moisture interference during testing of samples.



Real-Time Moisture Profiling™

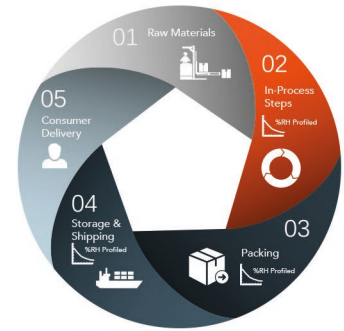
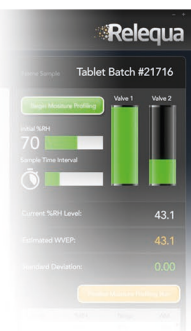
The moisture profile begins following initiation of a Moisture Profiling™ run when the selected starting humidity is reached within the sealed chamber. A graph in real-time of the %RH within the chamber appears on the screen.

Moisture Profiling™ gives you valuable information about your product in a timescale that has not been available previously. In addition to measuring the WVEP, new features available determine:

- The maximum amount of water vapour adsorbed
- The %RH for maximum amount of adsorption
- Direct relationship between moisture adsorbed and %RH

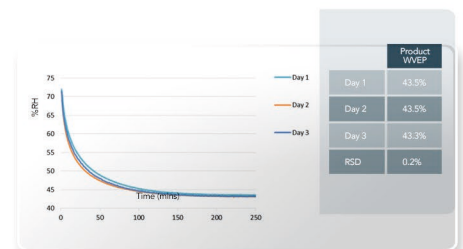
Secure Data - Compliant Software

- Moisture profiles automatically saved
- 21 CFR Part 11 compliant mode option



Take Control of Moisture

In command of WVEP data you are in a position to take control of the moisture status of your product; in-process, within the packing environment, storage or in the supply chain.



Precision in Point-to-Point Analysis

- Storage of Intermediate Bulk Product
- Controlled Room Temperature (CRT) shipping
- Time Points on Stability Testing Protocol



Packaging Selection and Stability Testing

A change in moisture status, often as a result of moisture ingress through packaging, is measured as a change in the WVEP of the packed product.