

## Weighing without Risk

### METTLER TOLEDO's Good Weighing Practice™



**Dr. Klaus Fritsch,**  
Manager Compliance

**The cosmetic industry's legal requirements are now enforced more strictly than ever. Consumer protection, in particular, comes with a very high public awareness. However, requirements, such as GxP or ISO, do not offer detailed solutions for daily measuring processes. To bridge this gap, METTLER TOLEDO has developed globally applicable guidelines called 'Good Weighing Practice™' (GWP®). It is a risk-based program which puts the demands of all current quality systems for weighing processes into practice.**

We asked Dr. Klaus Fritsch, Manager Compliance at METTLER TOLEDO, to give us a better insight into this program.

■ Klaus, can you please explain to our readers how Good Weighing Practice™ works?

With GWP®, we offer the customer an easy implementation of specific weighing process requirements. Risks are minimized, quality is ensured and money is saved. Furthermore, GWP® helps companies to pass audits simply and safely. It is based on a defined set of activities that begins with an evaluation of individual risks, recommend appropriate actions and lead to safe routine operation.

■ You state that user risk can be minimized through applying GWP® whilst simultaneously reducing effort and cost. Can you be more specific?

GWP® analyses the risks of the weighing process and recommends routine tests where the risk is high. For low-risk processes smaller test efforts are required. Therefore,

only those tests which are necessary to satisfy our customers' high quality requirements are recommended.

The selection of the appropriate measuring instruments in order to satisfy the requirements of the respective application also play an important role. Intelligent safety functions integrated into the balance, e.g. FACT, further reduce user tests. Depending on the amount of tests appropriate for a given risk, this may help to save time and costs substantially.

■ What are the production process risks which can be eliminated from weighing systems?

Very frequently, the smallest components of a mixture have the highest influence on the quality of a product. For example, the recipe for a nourishing lotion requires 700 g water (+/- 7g) but only 2 g scent (+/- 0.02 g). The question of the 'right' balance starts exactly here. The instrument must also achieve the necessary accuracy for the smallest component. Many of our balances are equipped



#### 5. Routine operation

Safe operation, accurate measurements, minimized costs and risks through proper routine testing.



#### 4. Calibration

Determination of the measurement uncertainty ensures that the balance weighs within the required tolerances.



### 1. Evaluation

Control your weighing process based on an objective risk assessment and take action where the impact is high.



### 2. Selection

Determines the correct weighing system to improve certainty and eliminate errors.



### 3. Installation

Weigh correctly right from the start, with documented installation, reduced environmental influence and user training.

**Dr. Klaus Fritsch** is Manager Compliance and a well known authority on regulations such as GMP and GLP. He is responsible for monitoring the legal requirements of our customers, advising our product managers on how to improve our products and solutions and last, but not least, training the sales force on regulations and passing this detailed knowledge onto R&D and Marketing personnel. He has traveled extensively in order to share his knowledge through customer seminars and conferences. In his limited spare time he likes climbing the heights of the Swiss Alps and heading off on ski tours.

with a warning function (MinWeigh), which indicates to the user via the display if the minimum weight is not reached. With GWP®, METTLER TOLEDO offers more than accurate measurement technology to our customers. The achieved know-how and the right instrument handling guarantee constant quality at a high level.

■ Thank you Klaus, for this valuable information.

For further questions, contact Dr. Klaus Fritsch at:

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