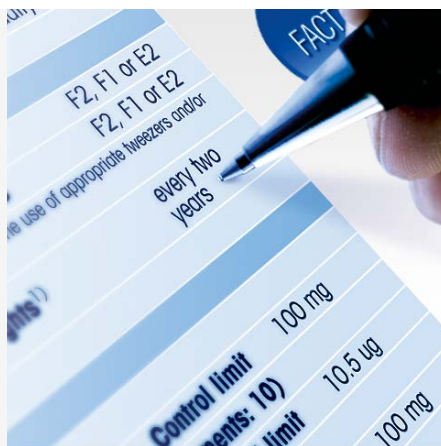


# 3 Accurate Weighing Results With GWP

## 1 Quality by Design

3 Steps to Prove your Process  
is in Control

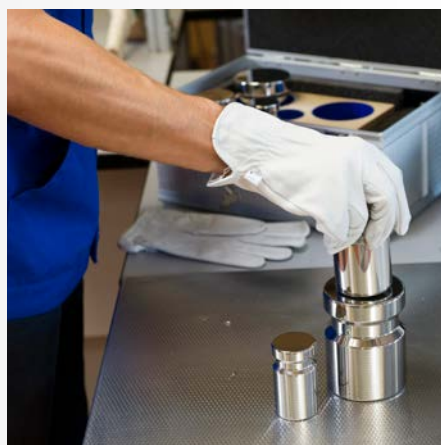
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## 2 Passing the Audit

Risk-Based Process  
Verification

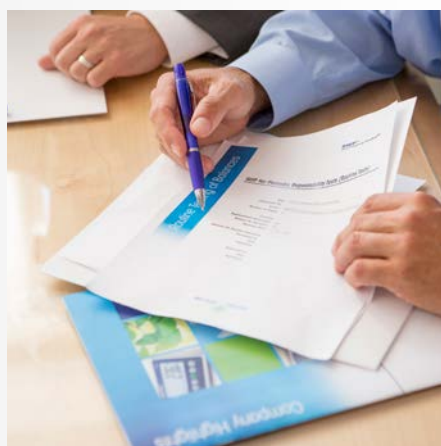
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## 3 Ensuring Effective Evolution

From Packaging to Contract  
Manufacturing

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## Quality by Design in Weighing

### 3 Steps to Prove you Process is in Control

Weighing has a significant impact on quality. Therefore, weighing equipment must be qualified and critical weighing processes need to be validated as defined in GMP regulations around the world. Find out how we help you design weighing processes, qualify weighing equipment and continuously monitor it to ensure reliable product quality and avoid unpleasant surprises during audits.

### GWP in Numbers:

4,000  
customers worldwide

250,000  
GWP Recommendations issued

110,000  
GWP Verifications performed



#### Our Service



#### Scale Selection with GWP Recommendation

The right instrument for the job; meeting specific accuracy and process requirements. GWP Recommendation is free of charge, tailored to your needs, and easy to apply. It provides the security you need before making a purchase decision.

#### Your Benefit

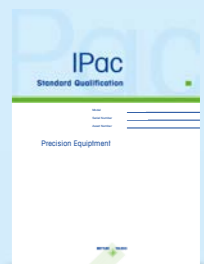
Simplify design qualification  
Avoid costly mistakes during equipment selection



#### Professional Installation with IPac

Qualification, guidance and accurate weighing from the first day. Professional installation also provides guidance to control environmental influences that affect the accuracy of your weighing results.

Speed up initial equipment qualification by 30%  
Ensure correct equipment use



#### State of the Art Calibration and Verification

GWP® Verification proves the accuracy of your equipment on site and maintains it over time. It provides all information for regular calibration and testing, assuring the accuracy of your equipment.

Achieve 100% audit proof documentation  
0% failed batches with seamless performance verification



## Passing the Audit Risk-Based Process Verification

Do you have an informed response when an auditor asks, "Why are you using this weight to calibrate the scale?" Klosterfrau Healthcare Group always has a competent answer regarding their routine balance testing and weighing processes, making it easier for them to pass audits in the highly regulated pharmaceutical industry.

Download our new checklist  
[www.mt.com/ind-performance-verification-checklist](http://www.mt.com/ind-performance-verification-checklist)

For more than 200 years, the German-based company Klosterfrau Healthcare Group has been developing, manufacturing and selling pharmaceutical products. Its portfolio combines traditional remedies with modern drug therapies and encompasses more than 30 brands and nearly 220 over-the-counter products.

At its Berlin site, the company runs state-of-the-art production lines. Scales and balances, whether in quality control or production, are an integral part of the process. Every piece of weighing equipment in use must be regularly calibrated and qualified to ensure regulatory compliance.

### The compliance challenge

The challenge for Claudia Brostmeyer, Head of Quality Control at the Berlin site, is to ensure that all workplaces – with their variety of processes and responsibilities – calibrate and qualify weighing equipment according to stringent Good Manufacturing Practice and Good Laboratory Practice standards.

Running a compliant weighing station is more complex than it may seem. In addition to making sure that a scale or balance is suitable

for the application, sound documentation must prove that suitability to auditors. Operators also must be trained according to valid standard operating procedures to ensure periodic equipment testing, calibration and qualification is done accurately.

When Brostmeyer learned about Good Weighing Practice™ (GWP®) Verification from METTLER TOLEDO, she immediately recognized that this approach would make her life easier. "GWP is a well-thought-out and accepted concept that provides a scientific basis for our weighing equipment verification needs," she says.

### Risk-based process assurance

After METTLER TOLEDO conducted a GWP Verification assessment at Klosterfrau's Berlin site, Brostmeyer received a risk-based assessment and testing recommendations for each scale and balance.



"What I like about the verification document is that it clearly states whether the equipment is suitable for the given process. It also provides recommendations on which tests should be conducted at which intervals with which test weights," says Brostmeyer. "That makes it easy for me to instruct operators and maintenance personnel on appropriate testing procedures." Shortly after METTLER

TOLEDO verified the weighing equipment, a production audit put the new process to the test, leaving no questions unanswered.

[www.klosterfrau.de](http://www.klosterfrau.de)  
[www.mt.com/gwp-verification](http://www.mt.com/gwp-verification)



## A Transition from CPO to CMO Made Easier with the Right Partner

A pharmaceutical company was in the process of evolving from a contract packaging organization (CPO) to a comprehensive contract manufacturing organization (CMO). METTLER TOLEDO's Good Weighing Practice™ (GWP®) helped management ensure that all weighing equipment was fit-for-use and received optimized maintenance. Additionally, GWP® Verification and SOP Writing helped to effectively identify and then close gaps in weighing processes.

► [www.mt.com/GWP](http://www.mt.com/GWP)

Operating in both Canada and the United States, the company supports oral-dosage products from early-stage clinical formulation through commercial manufacturing and packaging. Its clients include many respected names in the international pharmaceutical and nutraceutical industries.

The firm began as a CPO in the 1970s. As company management embarked on the transition from CPO to CMO, a series of audits uncovered a need to fortify their existing weighing program. Throughout this transition, the company philosophy remained the same: to consistently and reliably deliver quality to clients across its service continuum. To accomplish this, their clear choice was a partnership with METTLER TOLEDO.



“ We have been extremely satisfied with the level of attention received from METTLER TOLEDO. We are confident that our new weighing SOPs meet process needs and we are ready for our next audit. ”



### The result

With each GWP® Verification the company moves towards 100-percent compliance in its weighing operations. It can now demonstrate it has standardized and effective SOPs in place based on scientific rationale. Management is satisfied with the level of attention from their METTLER TOLEDO team. They are confident that their new weighing SOPs meet process needs and are ready for its next round of audits.



### The solution

The company's local METTLER TOLEDO representative suggested a dual approach to meet their audit needs: an immediate project to rewrite weighing SOPs and a longer-term project that would verify the appropriateness of their installed base of scales to meet their own accuracy requirements using GWP® Verification. This would help ease the minds of quality-control personnel and ensure passing internal and external audits.



### The challenge

The company's internal weighing practices had evolved over time and delivered a degree of accuracy, but they were not based on the latest scientific standards. The company needed a solution that would identify issues that were inhibiting the company's smooth transition into a CMO and close gaps in the consistency and repeatability of their weighing processes.



### Performance verification checklist

Learn how you can develop an ideal verification plan.

► [www.mt.com/ind-performance-verification-checklist](http://www.mt.com/ind-performance-verification-checklist)



# Knowledge at Your Finger Tips

## Easy access to Metrology Know How

GWP is the global weighing standard that ensures accuracy, quality and compliance of weighing processes. It is applicable to any type of weighing equipment from any manufacturer

Benefit from the knowledge of our weighing experts, who have long term experience in the fields of compliance and quality management consulting.

- Seminars and Webinars
- White Papers
- Guides
- Videos

► [www.mt.com/GWP](http://www.mt.com/GWP)



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For more information

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