

GWP-anbefaling Eksempel vedr. LAB

Med GWP®-anbefaling

- køber I kun udstyr, hvis præcision opfylder de krav, jeres processer og kvalitetsstandarder stiller
- kan I tage højde for miljø- og lovgivningsmæssige faktorer, før I vælger.

GWP®-anbefaling tilbydes i hele verden uden beregning og kan udstedes for enhver vægt og ethvert vejeapparat fra METTLER TOLEDO.

Du har downloadet et eksempel, der beskriver videnskabelig udvælgelse af en vægt eller et vejeapparat baseret på jeres proceskrav.

GWP®-anbefalinger giver dokumenteret bevis for, at det valgte instrument lever op til metrologiske, miljømæssige og lovmæssige krav.

Good Weighing Practice™



Good Weighing Practice™

GWP® Recommendation

Customer No.	12-34543			
Company	Best Laboratories Analytica			
Contact	Mr. John E. Sample			
Department / Position	Quality Control / Manager			
Building	LABS-3			
Street	Sample Street 11			
Zip Code / City	112233 / Sampleville			
State / Country	NY / USA			
Phone	+1 123 456 789			Date: Monday, 10. December 2012

Recommended Instrument		
Balance	XP205	
Manufacturer	METTLER TOLEDO	
Maximum capacity	220	g
Readability (d)	0.01	mg
Built-in adjustment mechanism	yes	

Requirements/Typical Value	Value	Unit
Weighing Accuracy	0.1	%
Maximum Weighing Load Required	190	g
Minimum Weight Required	78	mg
Minimum Weight Typical	21 ¹⁾	mg
Safety Factor Required	2	
Safety factor according to Typical Minimum Weight	3.71	
Standards and Regulations	GLP/GMP, USP	
Expansion Factor k	3	



METTLER TOLEDO recommends GWP® Verification to determine the actual minimum weight of this instrument on site. Furthermore, GWP® Verification provides all necessary information on testing procedures, frequencies and weights to maintain reliable weighing accuracy throughout the lifecycle of the instrument.

The GWP® Verification document can be issued for all models and suppliers of balances and scales. Through its risk-based approach it provides optimal performance verification activities at lowest costs.

Ask METTLER TOLEDO for an assessment of your installed base of weighing equipment to reduce costs and risks. Plus, receive complete OHSU-compliant documentation at one glance. www.mt.com/GWP.



Oftest forveksles en vægts læselighed (displayets opløsning) med dens præcision. Men faktisk er læseligheden kun én bidragende faktor til måleusikkerheden, som er det videnskabelige udtryk for et instruments præcision. For at sikre nøjagtige målinger skal man som minimum tage følgende faktorer i betragtning, før man udvælger en ny vægt eller et nyt vejeapparat:

Good Weighing Practice™

GWP® Recommendation

Customer No. 12-34543
Company Best Laboratories Analytik
Contact Mr. John S. Sample
Department / Position Quality Control Manager
Building 1000
Street Science Street 11
City/State/Zip 112222, Minneapolis
State / Country MN, USA
Phone +1 123 456 789 Sales Order: 10 December 2012

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2

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RECOMMENDED SPECIFICATIONS

Balance	MP200
Manufacturer	METTLER TOLEDO
Maximum Capacity	2200 g
Resolution (g)	0.01 mg
Built-in adjustment mechanism	yes

WEIGHING CAPABILITY

Weighting Accuracy	0.1 %
Minimum Weighing Load (Maximal)	190 g
Minimum Weight Resolved	10 mg
Minimum Weight Tolerant	211 mg
Static Factor Required	0
Static Factor Exceeding in Tare	0.3%
Stability and Reproducibility	0.00001 g/g
Response Time (s)	0

METTLER TOLEDO recommends GWP® (Guidance for Weighing Practice) to determine the actual minimum weight of the instrument for safe operation. GWP® includes a variety of accuracy, resolution or timing procedures, response and weight, to maintain stable weighing accuracy throughout the life of the instrument.

The GWP® verification document can be used for all stages and aspects of process control. Through its risk-based approach it provides a practical performance and control strategy for the user.

Use METTLER TOLEDO for an assessment of your installed base of weighing equipment to reduce costs and risks. Plus, receive complete and complete documentation of the process. www.mt.com/gwp

METTLER TOLEDO

- 1 Kundeoplysninger
- 2 Oplysninger om instrumenter
- 3 Vejkrav og specifikationer:
Farvekoderne angiver præcision og sikkerhedsfaktor

Good Weighing Practice™

GWP® Recommendation

RECOMMENDED SPECIFICATIONS

Installation, qualification and training
Platform Pan

Service contract
Full Service Package

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Weight 1	220 g	Class	F2, F1 or F0
Weight 2	10 g	Class	F2, F1 or F0

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Notes:

1) The minimum weight is dependent on the settings of the balance. The low weight can only be used in the laboratory environment. The minimum weight of most instruments in this class should be smaller than that from the lowest class given in the following table. For other METTLER TOLEDO scales (e.g. readability, a general recommendation of the minimum weight of 100 g is documented in the minimum weight guidelines from METTLER TOLEDO).

Disclaimer:

"These general recommendations are for information purposes only and are not binding in any way. To maintain optimal weighing accuracy, you should follow the use of the weighing instrument. It is necessary to conduct calibration and test procedures in a regular and timely manner. This document is effective as a recommendation. It requires weighing accuracy and to address the use of the weighing instrument. It is not a replacement for the manufacturer's instructions for the instrument. Other factors, such as weight, force or influence, the installation location, history of the instrument, experience of operators and other factors may be relevant to the instrument. Depending on the circumstances, the use of a modified other measure weight is appropriate. The final responsibility for the test procedure is with the user of the equipment. The manufacturer does not accept any liability in any way."

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for more information

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Development, production and testing under ISO 9001
Environmental management system according to ISO 14001

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- 4 Passende kontrollodder og vægtklasser
- 5 Detaljerede forklaringer og bemærkninger

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For yderligere oplysninger



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MCG MarCom Greifensee

GWP®
Good Weighing Practice™

GWP® er den eneste globale, videnskabeligt baserede standard for effektiv livscyklusstyring af vejesystemer, der kan bruges med alle former for vejesystemer fra enhver producent. Den hjælper med at

- vælge den rigtige vægt eller det rigtige vejeapparat
- kalibrere og betjene vejeudstyret sikkert
- overholde aktuelle kvalitets-, laboratorie- og produktionsstandarder og myndighedskrav.

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