

**CERTIFICATE OF CALIBRATION****CERT. NO.: C295447****GENERAL INFORMATION**

Customer: Phoenix Calibration
Contact: Frander Cordero
Service No.: 42321
Asset No.: 10436
Description: MYA 21.4Y Microbalance
Manufacturer: Radwag
Model No.: MYA 21.4Y
Serial No.: 607706
Range: 21g
Location: L1

CALIBRATION INFORMATION

Calibration Date: 04/06/2022
Next Due: 05/31/2022
Cal. Freq.: 1 Month
As Found Condition: In tolerance
Calibration Results: Passed
Calibration Location: Lab. 1 Calibration
Calibrated by: Frander Cordero
Environment: 22.1°C 54%RH
Cal. Procedure: DR-WI-0042

The instrument listed on this certificate has been calibrated against reference standards traceable through the National Institute of Standards and Technology (NIST), derived from ratio type measurements or compared to nationally or internationally recognized consensus standards. A test uncertainty ratio (TUR) of 4:1 (K=2, 95% Confidence Level) calculated using expanded measurement uncertainty was maintained unless otherwise stated. Phoenix Calibration is accredited to ISO/IEC-17025. All Instruments are calibrated in compliance with the calibration systems requirements established by ISO and in accordance with reference procedures. This certificate shall not be reproduced except in full and with the written consent of Phoenix Calibration. Results contained in this document relate only to the items tested or calibrated. Statement of conformity (pass/fail; in/out of tolerance) is made based on the calibration/ test method, manufacturer or customer's specifications and does not consider the measurement uncertainty unless the method or customer's request it. Calibration due dates appearing on the certificate or label are determined by the client for administrative purposes and do not imply continued conformance to specification.

REMARKS

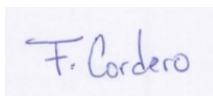
Performed Routine Calibration/Certification. All tested parameters were found in Tolerance. TUR Double check by T. Pujols. DR-EMR-06481

REFERENCE STANDARDS USED TO CALIBRATE EQUIPMENT

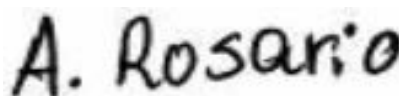
ID Inst	Description	Cal. Date	Due Date
5934	Weight Sets 0.001-200g	01/11/2022	10/31/2022

REVISION COMMENT**SIGNATURES**Calibrated by: **Frander Cordero**

Quality Approval: Ariana del Rosario



Date: 04/06/2022



Date: 04/06/2022



DATASHEET

 CERT. NO.: **C295447**

Weight - Sensitivity

Units	Max. Error(Tol.)	Nominal	Low Limit	HighLimit	AsFound	Meas. Uncert.	TUR
g	0.000007	0.0050002	0.004993	0.005007	0.005002	✓	n/a

Weight - Eccentricity Center

Units	Max. Error(Tol.)	Nominal	Low Limit	HighLimit	AsFound	Meas. Uncert.	TUR
g	0.000014	10.0000086	9.999995	10.000023	10.000012	✓	n/a

Weight - Eccentricity East

Units	Max. Error(Tol.)	Nominal	Low Limit	HighLimit	AsFound	Meas. Uncert.	TUR
g	0.000014	10.0000086	9.999995	10.000023	10.000016	✓	n/a

Weight - Eccentricity North

Units	Max. Error(Tol.)	Nominal	Low Limit	HighLimit	AsFound	Meas. Uncert.	TUR
g	0.000014	10.0000086	9.999995	10.000023	10.000017	✓	n/a

Weight - Eccentricity South

Units	Max. Error(Tol.)	Nominal	Low Limit	HighLimit	AsFound	Meas. Uncert.	TUR
g	0.000014	10.0000086	9.999995	10.000023	10.000018	✓	n/a

Weight - Eccentricity West

Units	Max. Error(Tol.)	Nominal	Low Limit	HighLimit	AsFound	Meas. Uncert.	TUR
g	0.000014	10.0000086	9.999995	10.000023	10.000012	✓	n/a



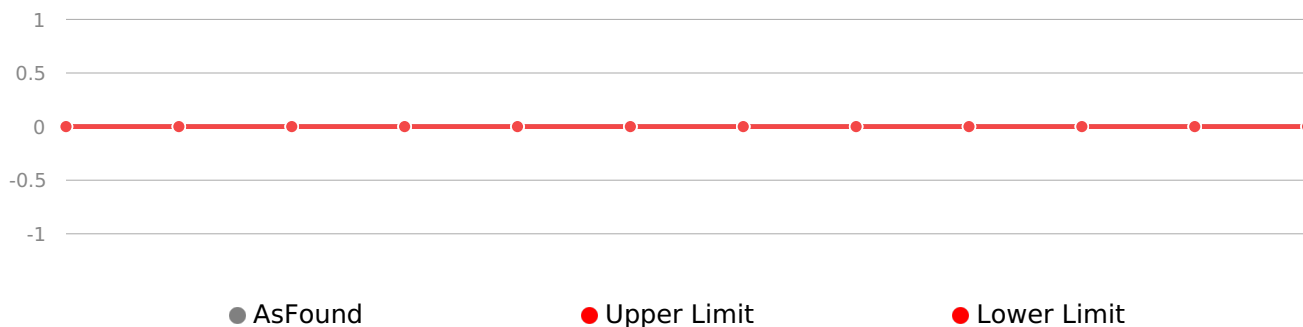
DATASHEET

 CERT. NO.: **C295447**

Weight - Linearity Down

Units	Max. Error(Tol.)	Nominal	Low Limit	HighLimit	AsFound	Meas. Uncert.	TUR
g	0.000007	0.0000000	-0.000007	0.000007	0.000000	✓ 0.000015	0.5:1
g	0.000007	0.0050002	0.004993	0.005007	0.005002	✓ 0.000015	0.5:1
g	0.000007	0.0099964	0.009989	0.010003	0.009991	✓ 0.000015	0.5:1
g	0.000007	0.0200080	0.020001	0.020015	0.020001	✓ 0.000015	0.5:1
g	0.000007	0.0499995	0.049993	0.050007	0.050000	✓ 0.000015	0.5:1
g	0.000007	0.0999981	0.099991	0.100005	0.100002	✓ 0.000015	0.5:1
g	0.000007	0.5000028	0.499996	0.500010	0.499999	✓ 0.000052	0.1:1
g	0.000007	1.0000057	0.999999	1.000013	1.000000	✓ 0.000052	0.1:1
g	0.000007	5.0000080	5.000001	5.000015	5.000004	✓ 0.000063	0.1:1
g	0.000007	10.0000086	10.000002	10.000016	10.000012	✓ 0.000063	0.1:1
g	0.000007	15.0000166	15.000010	15.000024	15.000014	✓ 0.000063	0.1:1
g	0.000007	21.0000145	21.000008	21.000022	21.000012	✓ 0.000063	0.1:1

Accuracy Chart





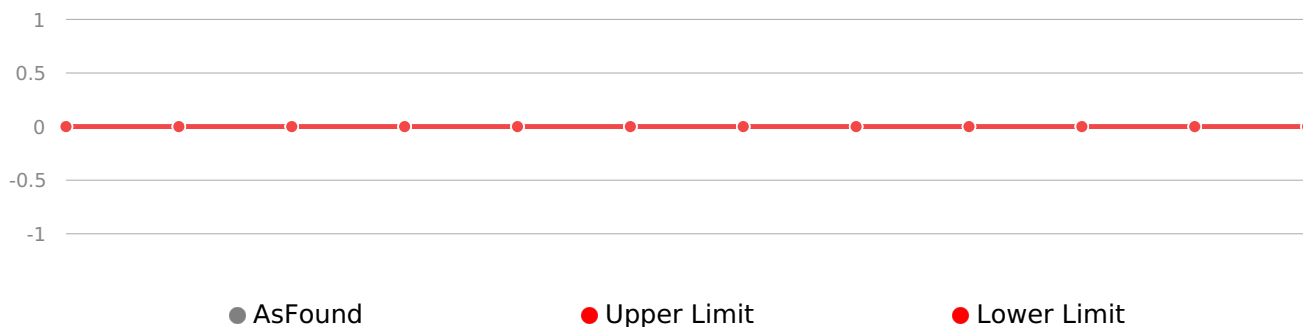
DATASHEET

 CERT. NO.: **C295447**

Weight - Linearity Up

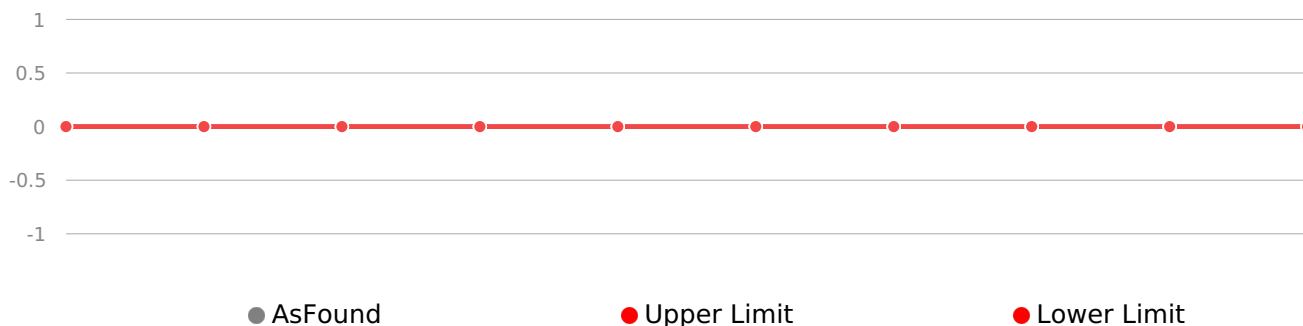
Units	Max. Error(Tol.)	Nominal	Low Limit	HighLimit	AsFound	Meas. Uncert.	TUR
g	0.000007	0.0000000	-0.000007	0.000007	0.000000	✓ n/a	n/a
g	0.000007	0.0050002	0.004993	0.005007	0.005002	✓ 0.000015	0.5:1
g	0.000007	0.0099964	0.009989	0.010003	0.009992	✓ 0.000015	0.5:1
g	0.000007	0.0200080	0.020001	0.020015	0.020005	✓ 0.000015	0.5:1
g	0.000007	0.0499995	0.049993	0.050007	0.050000	✓ 0.000015	0.5:1
g	0.000007	0.0999981	0.099991	0.100005	0.100002	✓ 0.000015	0.5:1
g	0.000007	0.5000028	0.499996	0.500010	0.499999	✓ 0.000052	0.1:1
g	0.000007	1.0000057	0.999999	1.000013	1.000000	✓ 0.000052	0.1:1
g	0.000007	5.0000010	4.999994	5.000008	5.000007	✓ 0.000063	0.1:1
g	0.000007	10.0000086	10.000002	10.000016	10.000003	✓ 0.000063	0.1:1
g	0.000007	15.0000166	15.000010	15.000024	15.000020	✓ 0.000063	0.1:1
g	0.000007	21.0000147	21.000008	21.000022	21.000013	✓ 0.000063	0.1:1

Accuracy Chart



Weight - Repeatability

Accuracy Chart



Dev.Std: 1.84E-06

End of datasheet



DATASHEET

CERT. NO.: **C295447**

(X) means that it was found out of tolerance when performing a routine calibration of the equipment.