

Inspection Report

Product	: 200mg calibration weights		
Purpose	: Calibration and inspection of surface tensiometer		
grade	: F2		
Manufacturer	: Kyowa Interface Science Co., Ltd.		
Serial number	: A) 9998	B) 9999	
Date of inspection	: April 25, 2024		
Environment	: Temperature : 25.0 °C Relative humidity: 50%		

Acceptance criteria : The mean values of three measurements using an electronic balance should be within ± 0.2 mg of the value of the 200mg calibration weight.

Product	Serial number	Weight (mg)	Judgment
200mg calibration weight 'A'	9998	200.0	Passed
200mg calibration weight 'B'	9999	200.0	Passed

Standard measuring device used for inspection

Product	: Electronic balance
Model	: HTR-220
Manufacturer	: Shinko Denshi Co., Ltd.
Serial number	: 111850406
Resolution	: 0.0001g

Approved by: _____



Kyowa Interface Science Co., Ltd.
5-4-41 Nobitome, Niiza-City, Saitama, Japan

Calibration Certificate

Product	: 200mg calibration weights
Purpose	: Calibration and inspection of surface tensiometer
grade	: F2
Manufacturer	: Kyowa Interface Science Co., Ltd.
Serial number	: A) 9998 B) 9999
Date of inspection	: April 25, 2024
Environment	: Temperature : 25.0 °C Relative humidity: 50%

We herewith certify that the above-mentioned product has been inspected with our standard measuring device as described below. The results in the attached inspection report have been proofread and double-checked by a chief staff officer.

The standard measuring device used for inspection has been calibrated with confirmed traceability to the National Institute of Advanced Industrial Science and Technology as per the attached traceability system and is being calibrated based on our internal inspection and proofreading system.

Standard measuring device used for inspection

Product	: Electronic balance
Model	: HTR-220
Manufacturer	: Shinko Denshi Co., Ltd.
Serial number	: 111850406
Resolution	: 0.0001g
Calibration interval	: Once a year
Calibration due date	: December-24

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Date of revision : December 14, 2023

Traceability System for Calibration Weights



Inspection Report


Product	: Platinum plate
Purpose	: Measuring probe for surface tensiometer
Material	: Platinum-Rhodium alloy (plate section)
Manufacturer	: Kyowa Interface Science Co., Ltd.
Serial number	: 999999998 999999999
Date of inspection	: April 25, 2024
Environment	: Temperature : 25.0 °C Relative humidity: 50%

Acceptance criteria : The mean values of circumference of three measurements using a digital micrometer should be within ± 0.14 mm of the value of the 48mm standard circumference.

Serial number	Thickness (mm)	Width (mm)	Circumference (mm)	Judgment
999999998	0.150	23.850	48.00	Passed
999999999	0.150	23.850	48.00	Passed

Standard measuring device used for inspection

Product	: Digital micrometer
Model	: MDC-25MX
Manufacturer	: Mitutoyo
Serial number	: 47041939
Resolution	: 0.001mm

Approved by:  Kyowa Interface Science Co., Ltd.
5-4-41 Nobitome, Niiza-City, Saitama, Japan

Calibration Certificate

Product	: Platinum plate
Purpose	: Measuring probe for surface tensiometer
Material	: Platinum-Rhodium alloy (plate section)
Manufacturer	: Kyowa Interface Science Co., Ltd.
Serial number	: 999999998 999999999
Date of inspection	: April 25, 2024
Environment	: Temperature : 25.0 °C Relative humidity: 50%

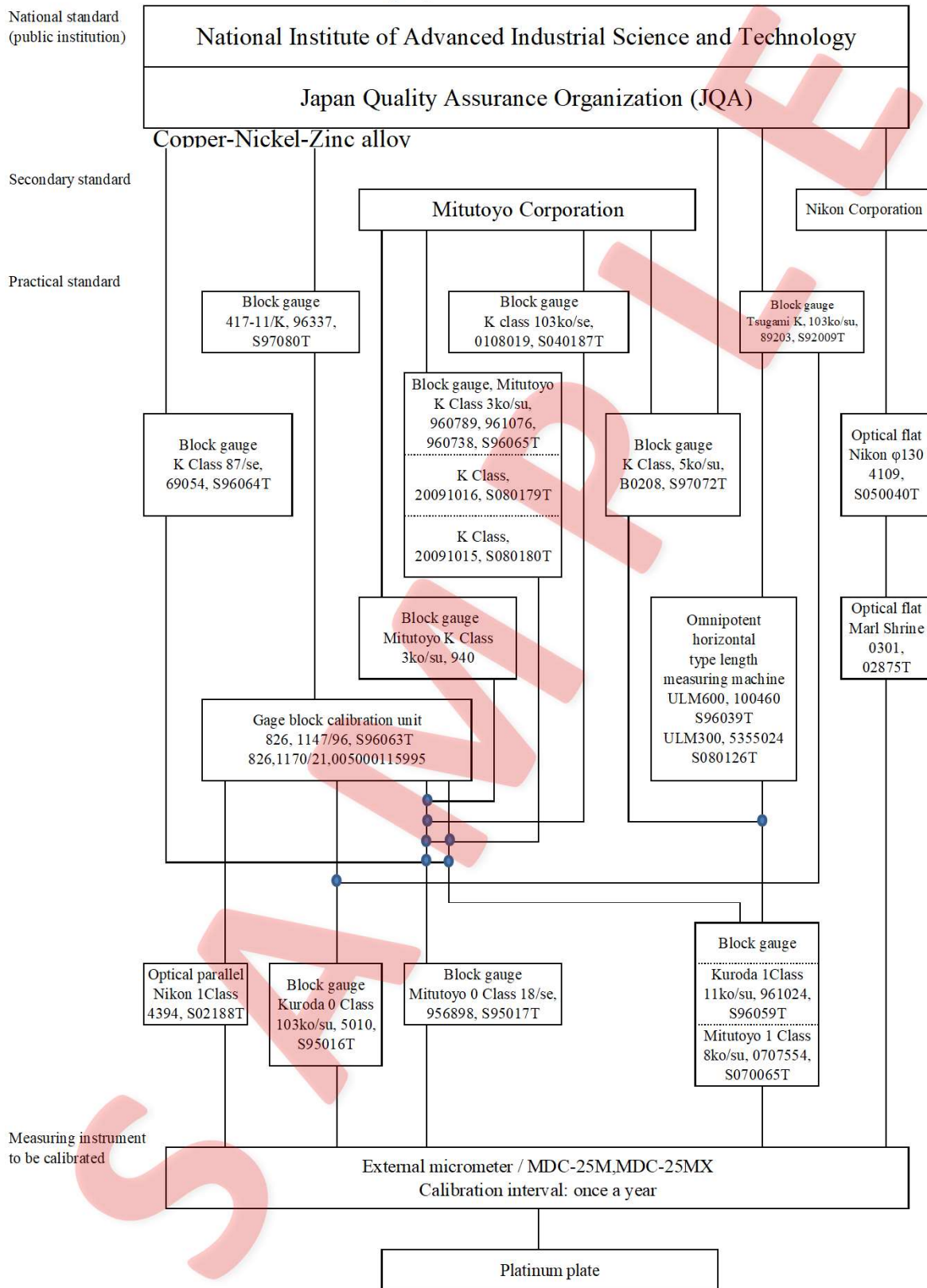
We herewith certify that the above-mentioned product has been inspected with our standard measuring device as described below. The results in the attached inspection report have been proofread and double-checked by a chief staff officer.

The standard measuring device used for inspection has been calibrated with confirmed traceability to the National Institute of Advanced Industrial Science and Technology as per the attached traceability system and is being calibrated based on our internal inspection and proofreading system.

Standard device used for inspection measurement

Product	: Digital micrometer
Model	: MDC-25MX
Manufacturer	: Mitutoyo
Serial number	: 47041939
Resolution	: 0.001mm
Calibration interval	: Once a year
Calibration due date	: Jul, 2024

Traceability System for Platinum Plates



Inspection Report


Product	: Automatic Surface Tensiometer
Model	: DY-300
Manufacturer	: Kyowa Interface Science Co., Ltd.
Serial number	: 011-00999
Date of inspection	: April 26, 2024
Environment	: Temperature : 25.0 °C Relative humidity: 50%

Acceptance criteria : The bias of the mean values of three measurements of the calibration weight should be below 0.002g of the respective nominal weight.

Nominal weight (g)	Average weight (g)	Bias (g)	Judgment
0.2	0.200	0.000	Passed
0.4	0.400	0.000	Passed

Standard measuring device used for inspection

Product	: 200mg calibration weights
Manufacturer	: Kyowa Interface Science Co., Ltd.
Serial number	: A) 9998 B) 9999

Approved by: _____
 **KYOWA** Kyowa Interface Science Co., Ltd.
5-4-41 Nobitome, Niiza-City, Saitama, Japan

Calibration Certificate

Product	: Automatic Surface Tensiometer
Model	: DY-300
Manufacturer	: Kyowa Interface Science Co., Ltd.
Serial number	: 011-00999
Date of Calibration	: April 26, 2024
Environment	: Temperature : 25.0 °C Relative humidity: 50%

We herewith certify that the above-mentioned product has been inspected with our standard measuring device as described below. The results are as per the attached inspection report have been proofread and double-checked by a chief staff officer.

The standard measuring device used for inspection has been calibrated with confirmed traceability to the National Institute of Advanced Industrial Science and Technology as per the attached traceability system and is being calibrated based on our internal inspection and proofreading system.

Standard measuring device used for inspection

Product	: 200mg calibration weights
Manufacturer	: Kyowa Interface Science Co., Ltd.
Serial number	: A) 9998 B) 9999

Document No. : TST-091E-05(2312)

Date of revision : December 14, 2023

Traceability System for Automatic Surface Tensiometer

