Document No. : KST-172E-06(2309)

Date of issue : April 30, 2024

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

Document No. : CST-172E-06(2309)

Date of issue : April 30, 2024

Calibration Certificate

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

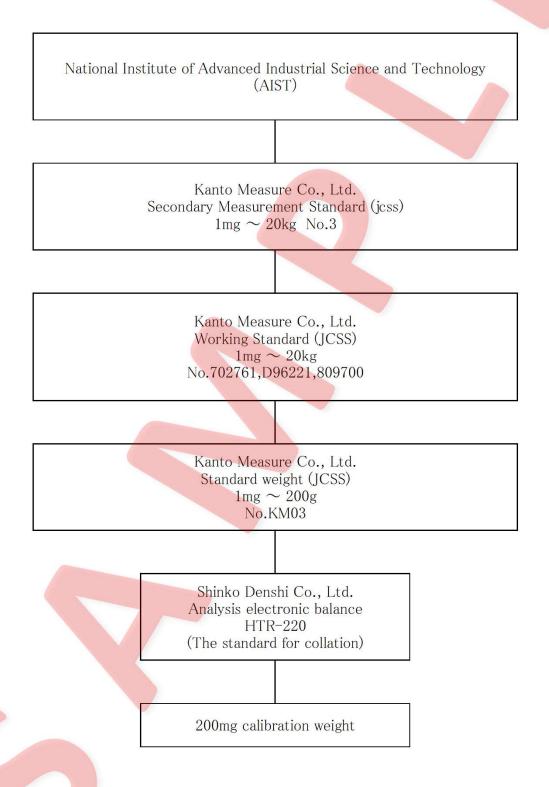
Calibration interval : Once a year

Calibration due date : December-24

Document No. : TST-172E-06(2312)

Date of revision : December 14, 2023

Traceability System for Calibration Weights



Document No. : KST-373E-06(2309)

Date of issue : April 30, 2024

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 Temperature: 25.0 ℃ Environment 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	7:	Digital micrometer
Model	/ :/	MDC-25MX
Manufacturer	1/:	Mitutoyo
Serial number	1	47041939
Resolution	V :/	0.001mm

Document No. : CST-373E-05(2309)

Date of issue : April 30, 2024

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	:	99999998 99999999		
Date of inspection	:	April 25, 2024		
Environment	:	Temperature: 25.0 ℃ 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.

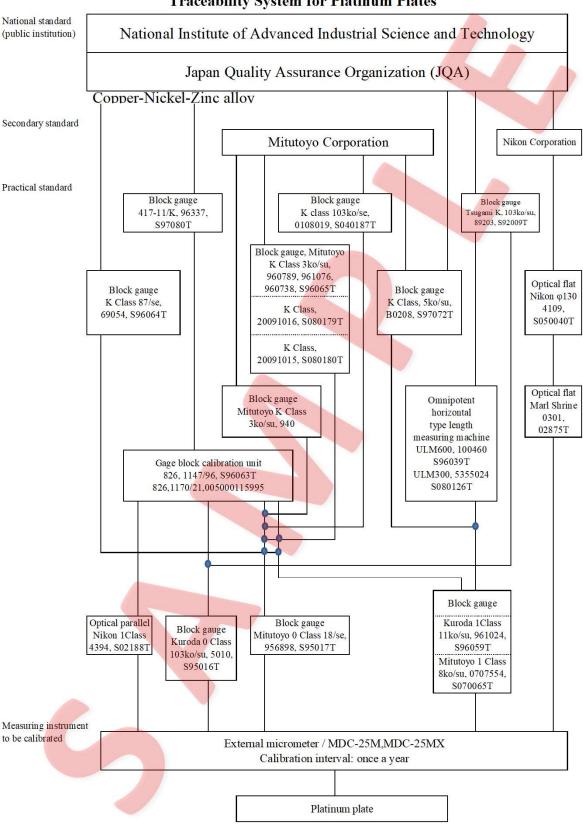
The standard measuring device used for inspection has been calibrated with confirmed traceability to the National Institute of Advanced Industrial Science and Technology as per the attached traceability system and is being calibrated based on our internal inspection and proofreading system.

Standard device used for inspection measurement

Product	:	Digital micrometer
Model	:	MDC-25MX
Manufacturer	:	Mitutoyo
Serial number	1	47041939
Resolution	/:	0.001mm
Calibration interval	:	Once a year
Calibration due date		Jul, 2024

Document No. : TST-373E-06(2309) : September 26, 2023 Date of issue

Traceability System for Platinum Plates



Document No. : KST-091E-08(2309)

Date of issue : April 30, 2024

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

Document No. : CST-091E-04(2309)

Date of issue : April 30, 2024

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 ℃	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 S	cience Co., Ltd.	
Serial number	: A) 9998	В) 9999	16

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

Date of revision : December 14, 2023

Traceability System for Automatic Surface Tensiometer

National Institute of Advanced Industrial Science and Technology (AIST) Kanto Measure Co., Ltd. Secondary Measurement Standard (jcss) $1 \text{mg} \sim 20 \text{kg} \text{No.3}$ Kanto Measure Co., Ltd. Working Standard (JCSS) $1 \text{mg} \sim 20 \text{kg}$ No.702761,D96221,809700 Kanto Measure Co., Ltd. Standard weight (JCSS) $1 \text{mg} \sim 200 \text{g}$ No.KM03 Shinko Denshi Co., Ltd. Analysis electronic balance HTR-220 (The standard for collation) 200mg Calibration weight Automatic Surface Tensiometer DY-300

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