



22·10·31-NITE-008  
2023-06-17

## Certificate of Accreditation

International Accreditation Japan (IAJapan) hereby accredits the following conformity assessment body as a calibration laboratory of Japan Calibration Service System.

Accreditation Identification: JCSS 0297 Calibration

Name of Conformity Assessment Body: Calibration Laboratory, NIPPON GREASE, Co., Ltd.

Name of Legal Entity: NIPPON GREASE, Co., Ltd.

Location of Conformity Assessment Body: 1-12-4 Suehiro-cho, Tsurumi-ku, Yokohama-shi,  
Kanagawa 230-0045, JAPAN

Scope of Accreditation: Viscosity (as the following pages)

Accreditation Requirement: ISO/IEC 17025:2017\*

\* The relevant accreditation requirements described in the Accreditation Scheme Document for JCSS are also applied.

Effective Date of Accreditation: 2023-06-17

Expiry Date of Accreditation: 2027-06-16

Date of Initial Accreditation: 2012-12-25

SAITO Kazunori

Chief Executive, International Accreditation Japan (IAJapan)

National Institute of Technology and Evaluation

- International Accreditation Japan (IAJapan) is a laboratory accreditation body which has signed MRAs of ILAC (International Laboratory Accreditation Cooperation) and APAC (Asia Pacific Accreditation Cooperation).
- MRA requirements are, in addition to relevant international standards and guides, requirements for participation in proficiency testing programs, surveillance and reassessment, and the policy for the traceability of measurement for MRA purpose.
- This laboratory fulfills ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation means this laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).
- The latest accreditation information is publicly available on IAJapan Website as an accreditation certificate.

&lt;Calibration Laboratory&gt;

General Field of Calibration: Viscosity

Date of Initial Accreditation of the Field: 2012-12-25

Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facility

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range		Expanded Uncertainty (Level of Confidence Approximately 95 %)
Viscosity Standards	Standard Liquids for Calibrating Viscometer	From 0.5 mm <sup>2</sup> /s less than 1.8 mm <sup>2</sup> /s	From 20°C up to 40°C	0.09 %
		From 1.8 mm <sup>2</sup> /s less than 5.0 mm <sup>2</sup> /s	From 20°C up to 40°C	0.09 %
		From 5.0 mm <sup>2</sup> /s less than 20 mm <sup>2</sup> /s	From 20°C up to 40°C	0.10 %
		From 20 mm <sup>2</sup> /s less than 150 mm <sup>2</sup> /s	From 20°C up to 40°C	0.10 %
		From 150 mm <sup>2</sup> /s less than 940 mm <sup>2</sup> /s	From 20°C up to 40°C	0.12 %
		From 940 mm <sup>2</sup> /s less than 2 000 mm <sup>2</sup> /s	From 20°C up to 40°C	0.14 %
		From 2 000 mm <sup>2</sup> /s less than 14 000 mm <sup>2</sup> /s	From 20°C up to 40°C	0.14 %
		From 14 000 mm <sup>2</sup> /s less than 52 000 mm <sup>2</sup> /s	From 20°C up to 40°C	0.16 %
		From 52 000 mm <sup>2</sup> /s up to 192 000 mm <sup>2</sup> /s	From 20°C up to 40°C	0.18 %
	Standard Liquids for Calibrating Viscometer	From 0.4 mPa·s less than 1.4 mPa·s	From 20°C up to 40°C	0.10%
		From 1.4 mPa·s less than 4.1 mPa·s	From 20°C up to 40°C	0.10 %
		From 4.1 mPa·s less than 17 mPa·s	From 20°C up to 40°C	0.10 %
		From 17 mPa·s less than 130 mPa·s	From 20°C up to 40°C	0.11 %
		From 130 mPa·s less than 820 mPa·s	From 20°C up to 40°C	0.12 %
		From 820 mPa·s less than 1 800 mPa·s	From 20°C up to 40°C	0.14 %
		From 1 800 mPa·s less than 12 000 mPa·s	From 20°C up to 40°C	0.14 %
		From 12 000 mPa·s less than 46 000 mPa·s	From 20°C up to 40°C	0.16 %
		From 46 000 mPa·s up to 168 000 mPa·s	From 20°C up to 40°C	0.19 %

#All Calibration Procedures are in-house procedures developed by this laboratory.

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