



25・04・03-NITE-002  
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## Certificate of Accreditation

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

Accreditation Identification: JCSS 0297 RMP

Name of Conformity Assessment Body: Calibration Laboratory, Idemitsu NTG, Co., Ltd.

Name of Legal Entity: Idemitsu NTG, 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 17034:2016\*

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

Effective Date of Accreditation: 2023-06-17

Expiry Date of Accreditation: 2027-06-16

Date of Initial Accreditation: 2012-12-25

**ISHIGE Hiromi**

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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 accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system in accordance with the recognized International Standard ISO 17034:2016.
- The latest accreditation information is publicly available on IAJapan Website as an accreditation certificate.

&lt;Reference Material Producer&gt;

Category: Viscosity

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

Type: Certified Reference Material

The Approach Used to Assign a Property Value: Measurement by a Single Method in a Single Laboratory (ISO 17034:2016 7.12.3 NOTE 1 d)

| Sub-Category           | Property                                       | Range   |                         | Expanded Uncertainty<br>(Level of Confidence<br>Approximately 95 %) | Characterization<br>Techniques |
|------------------------|--|---|-------------------------|---|--------------------------------|
| Viscosity<br>Standards | Standard Liquids<br>for Calibrating Viscometer | From 0.5 mm <sup>2</sup> /s<br>less than 1.8 mm <sup>2</sup> /s       | From 20°C<br>up to 40°C | 0.19 %  | Capillary<br>viscometer        |
|                        |  | From 1.8 mm <sup>2</sup> /s<br>less than 5.0 mm <sup>2</sup> /s       | From 20°C<br>up to 40°C | 0.19 %  |                                |
|                        |  | From 5.0 mm <sup>2</sup> /s<br>less than 20 mm <sup>2</sup> /s        | From 20°C<br>up to 40°C | 0.14 %  |                                |
|                        |  | From 20 mm <sup>2</sup> /s<br>less than 150 mm <sup>2</sup> /s        | From 20°C<br>up to 40°C | 0.19 %  |                                |
|                        |  | From 150 mm <sup>2</sup> /s<br>less than 940 mm <sup>2</sup> /s       | From 20°C<br>up to 40°C | 0.20 %  |                                |
|                        |  | From 940 mm <sup>2</sup> /s<br>less than 2 000 mm <sup>2</sup> /s     | From 20°C<br>up to 40°C | 0.24 %  |                                |
|                        |  | From 2 000 mm <sup>2</sup> /s<br>less than 14 000 mm <sup>2</sup> /s  | From 20°C<br>up to 40°C | 0.39 %  |                                |
|                        |  | From 14 000 mm <sup>2</sup> /s<br>less than 52 000 mm <sup>2</sup> /s | From 20°C<br>up to 40°C | 1.45 %  |                                |
|                        |  | From 52 000 mm <sup>2</sup> /s<br>up to 192 000 mm <sup>2</sup> /s    | From 20°C<br>up to 40°C | 0.80 %  |                                |
|                        | Standard Liquids<br>for Calibrating Viscometer | From 0.4 mPa·s<br>less than 1.4 mPa·s                                 | From 20°C<br>up to 40°C | 0.19 %  | Capillary<br>viscometer        |
|                        |  | From 1.4 mPa·s<br>less than 4.1 mPa·s                                 | From 20°C<br>up to 40°C | 0.19 %  |                                |
|                        |  | From 4.1 mPa·s<br>less than 17 mPa·s                                  | From 20°C<br>up to 40°C | 0.15 %  |                                |
|                        |  | From 17 mPa·s<br>less than 130 mPa·s                                  | From 20°C<br>up to 40°C | 0.19 %  |                                |
|                        |  | From 130 mPa·s<br>less than 820 mPa·s                                 | From 20°C<br>up to 40°C | 0.20 %  |                                |
|                        |  | From 820 mPa·s<br>less than 1 800 mPa·s                               | From 20°C<br>up to 40°C | 0.25 %  |                                |
|                        |  | From 1 800 mPa·s<br>less than 12 000 mPa·s                            | From 20°C<br>up to 40°C | 0.39 %  |                                |
|                        |  | From 12 000 mPa·s<br>less than 46 000 mPa·s                           | From 20°C<br>up to 40°C | 1.45 %  |                                |
|                        |  | From 46 000 mPa·s<br>up to 168 000 mPa·s                              | From 20°C<br>up to 40°C | 0.81 %  |                                |