| | |
|---|---|
| Name of Accreditation Program | JCSS Accreditation Program |
| Accreditation Identification | JCSS 0012 Calibration |
| Date of Initial Accreditation | 2019-12-12 |
| Effective Date of Accreditation | 2019-12-12 |
| Expiry Date of Accreditation | 2023-12-11 |
| Name and Location of Conformity Assessment Body | Oyama Plant, JAPAN FINE PRODUCTS Corporation<br>498 Yokokura Shinden, Oyama-shi, Tochigi 323-0819, Japan |
| Name of Legal Entity | JAPAN FINE PRODUCTS Corporation<br>JCN 3020001079566 |
| Inquiry Point | Inspection section<br>Tel: +81-285-27-3840 FAX: +81-285-27-7377 |
| Accreditation Requirements | ISO/IEC 17025:2017 and Accreditation Requirements in the Section 6 of Accreditation Scheme (JCSS) 2nd Edition |
| Accreditation Scope | As attached |

*JCN: Japan Corporate Number

General Field of Calibration: Concentration

Date of Initial Accreditation as a Calibration Laboratory: 2019-12-12

Permanent Laboratory/On-site Calibration: Permanent Laboratory

Calibration and Measurement Capabilities

| Calibration Procedures# and Type of Instruments/Materials to be calibrated | | Range | Expanded Uncertainty (*) (Level of Confidence Approximately 95 %) |
|---|---|---|---|
| Standard gases | Methane standard gases (air balance) | From 1 vol ppm up to 50 vol ppm | 1.0 % |
| | propane standard gases (air balance) | From 3.0 vol ppm up to 500 vol ppm | 1.0 % |
| | propane standard gases (nitrogen balance) | From 150 vol ppm up to 1.5 vol % | 1.0 % |
| | Carbon monoxide standard gases (nitrogen balance) | From 3 vol ppm up to 10 vol ppm | 1.5 % |
| | | More than 10 vol ppm up to 15 vol % | 1.0 % |
| | Carbon dioxide standard gases (nitrogen balance) | From 300 vol ppm up to 16 vol % | 1.0 % |
| | Nitric oxide standard gases (nitrogen balance) | From 0.5 vol ppm up to 1 vol ppm | 5.0 % |
| | | More than 1 vol ppm up to 20 vol ppm | 1.5 % |
| | | More than 20 vol ppm up to 5 vol % | 1.0 % |
| | Nitric dioxide standard gases (air balance) | From 5 vol ppm up to 50 vol ppm | 5.0 % |
| | Oxygen standard gases (nitrogen balance) | From 1 vol % up to 25 vol % | 1.0 % |
| | Sulfur dioxide standard gases (nitrogen balance) | From 0.5 vol ppm up to 1 vol ppm | 5.0 % |
| | | More than 1 vol ppm up to 50 vol ppm | 1.5 % |
| | | More than 50 vol ppm up to 1 vol % | 1.0 % |

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

(*) relative value