



JAB

Reference Material Producer

Accreditation Certificate

Accreditation No. RMP00040

HORIBA TECHNO SERVICE Co., Ltd
Analytical Technology Center

2, Miyanohigashi-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto
601-8305 Japan

meets the following criteria. On the basis of this, Japan Accreditation Board (JAB) grants accreditation to the said reference material producer.

Applicable accreditation criteria	: JIS Q 17034:2018 (ISO 17034:2016)
Scope of accreditation	: As described in the appendix.
Premises covered by accreditation	: As described in the appendix.
Expiry date of accreditation	: March 31, 2023

Initial accreditation

March 1, 2019

K. Chiba, Chairman
Reference Material Producer Accreditation Committee

Y. Iizuka, President
Japan Accreditation Board



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Scope of accreditation :

A Chemical composition
A1 Metals
A1.1 Steels

Type of reference Material : Certified Reference material

Name of reference material

- (1) Carbon certified reference material in steel
- (2) Sulfur certified reference material in steel
- (3) Nitrogen certified reference material in steel
- (4) Oxygen certified reference material in steel

Test method

- (1) Combustion-Infrared absorption method (JIS G 1211-3)
- (2) Combustion-Infrared absorption method (JIS G 1215-4)
- (3) Inert gas fusion-Thermal conductivity detection method (JIS G 1228 4. d), e))
- (4) Inert gas fusion-Thermal conductivity detection method (JIS G 1239)

Range of property values and The expanded uncertainties of property values ($k = 2$)

- (1) $0.005\% \leq C \leq 0.60\%$ 22%~2% (Relatively)
- (2) $0.0010\% \leq S \leq 0.35\%$, 22%~6% (Relatively)
- (3) $0.0010\% \leq N \leq 0.050\%$, 13%~5% (Relatively)
- (4) $0.0010\% \leq O \leq 0.020\%$, 21%~9% (Relatively)

※% means mass fraction (%)

Japan Accreditation Board