

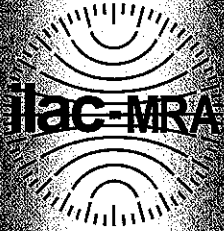
Reference Material Producer

# Accreditation Certificate

Accreditation No.RMP00040



**JAB**



***HORIBA TECHNO SERVICE Co., Ltd.***  
***Analytical Technology Division***

***2, Miyanohigashi-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto,  
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

Revised (3)  
Initial accreditation

November 5, 2020  
March 1, 2019

Y. Iizuka, President

## Japan Accreditation Board

# Accreditation Certificate Appendix

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Accreditation No. RMP00040



**JAB**



## **HORIBA TECHNO SERVICE Co., Ltd.** **Analytical Technology Division**

Name of reference material producer	HORIBA TECHNO SERVICE Co., Ltd. Analytical Technology Division			
Address	Zip	601-8305	Address	2, Miyanohigashi-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto, Japan
<ul style="list-style-type: none"> <li>• Applied Scope of Accreditation</li> <li>Code of Field</li> <li>Category</li> <li>Class (1)</li> <li>Class (2)</li> <li>• Type of reference Material</li> <li>• Name of reference material</li> <li>• Test method</li> <li>• Range of property values</li> <li>• The expanded uncertainties of property values</li> </ul>	<p>Code of Field: A, Chemical composition, A1.1 Class(2)            Category : Chemical composition            Class(1) : Metals            Class(2) : Steels</p> <p>Type of reference Material : Certified Reference material</p> <p>Name of reference material            Carbon certified reference material in steel            Sulfur certified reference material in steel            Oxygen certified reference material in steel            Nitrogen certified reference material in steel</p> <p>Test method            Combustion-Infrared absorption method (JIS G 1211-3)            S &lt; 0.1 Combustion-Infrared absorption method (JIS G 1215-4),            S ≥ 0.1 Combustion-Infrared absorption method (JIS G 1215-4) modified ( the upper limit of the measurement range from 0.5% to 0.7% and replaced BaSO4 with K2SO4 in JIS G 1215-4 10.2)</p> <p>Inert gas fusion-Thermal conductivity detection method (JIS G 1239)            Inert gas fusion-Thermal conductivity detection method (JIS G 1228 4. d), e)</p> <p>Range of property values and The expanded uncertainties of property values (k = 2)            0.001 % ≤ C ≤ 5.0 %,      45 % ~ 2 % (Relatively)            0.0005 % ≤ S ≤ 0.70 %,      35 % ~ 1.8 % (Relatively)            0.0010 % ≤ O ≤ 0.020 %,      21 % ~ 9 % (Relatively)            0.0010 % ≤ N ≤ 0.050 %,      13 % ~ 5 % (Relatively)            ※% means mass fraction (%)</p>			

# Japan Accreditation Board