



JAB



Testing Laboratory
Accreditation
Certificate

Accreditation No. RTL00120

***JFE Techno-Research Coporation
Fukuyama Division Analysis for production control Dept.***

1, Kokan-cho, Fukuyama-city, Hiroshima, 721-0931 Japan

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

Applicable accreditation criteria	: JIS Q 17025:2005 (ISO/IEC 17025:2005)
Scope of accreditation	: Chemical testing (As described in the appendix)
Premises covered by accreditation	: As described in the appendix.
Expiry date of accreditation	: December 31, 2021

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system.

The management system requirements in ISO/IEC 17025:2005 meet the principles of ISO 9001:2008 and are aligned with its pertinent requirements.

Revised (14)	December 4, 2017
Renewed (6)	September 1, 2017
Initial accreditation	December 26, 1997

T. Oda, Chairman
Laboratory Accreditation Committee

Y. Mizuka, President
Japan Accreditation Board

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Type of Laboratory	Testing Laboratory
Name of Laboratory	JFE Techno-Research Coporation Fukuyama Division Analysis for production control Dept.
Address	1, Kokan-cho, Fukuyama-city, Hiroshima, 721-0931 Japan

1) Premises on which testing activities are performed

Name of Premises	JFE Techno-Research Corporation Fukuyama Division , Analysis for production Control Dept.	
Address of Premises	Postal code	721-0931
	Address	1, Kokan-cho, Fukuyama city, Hiroshima, Japan
Testing service at permanent facilities or on site testing service	<input checked="" type="checkbox"/> Testing service at permanent facilities <input type="checkbox"/> On site testing service	

Scope of Accreditation

FIELD	M26 Chemical Testing
CODE OF CIT*1	M26.A1
NAME OF CIT	Metal (Iron and steel)

*1 CIT: Classification of Item to be Tested

*2 TCT: Technical Classification of Test

CODE & NAME OF TCT*2	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B2.1 Absorption spectrophotometry: Infrared absorption method	$0.001 \% \leq C \leq 5.0 \%$	JIS G 1211-3 (except 8.5.1)
	$0.0003 \% \leq C \leq 0.010 \%$	JIS G 1211-4
	$0.0005 \% \leq S \leq 0.35 \%$	JIS G 1215-4 (except 7.6.1、7.6.2)
	$0.0005 \% \leq O \leq 0.06 \%$	JIS G 1239
B2.4 Atomic emission spectrometric analysis: Spark discharge AES	※ 1	JIS G 1253
B2.4 Atomic emission spectrometric analysis: ICP-AES	※ 2	JIS G 1258-1
	$0.001 \% \leq Nb \leq 2.5 \%$	JIS G 1258-4

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Type of Laboratory	Testing Laboratory
Name of Laboratory	JFE Techno-Research Coporation Fukuyama Division Analysis for production control Dept.
Address	1, Kokan-cho, Fukuyama-city, Hiroshima, 721-0931 Japan

CODE & NAME OF TCT ²	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B3.1 X-ray fluorescence spectrometric analysis (XRF)	※ 3	JIS G 1256
B4.3 Thermal conductivity analysis	0.0009 % ≤ N ≤ 0.050 %	JIS G 1228 4 d)
	0.00002 % ≤ H ≤ 0.0012 %	JIS Z 2614 Inert gas carrier fusion and thermal conductivity method
(Note)		
※ 1 0.020 % ≤ C ≤ 1.00 %, 0.01 % ≤ Si ≤ 2.00 %, 0.09 % ≤ Mn ≤ 1.80 %, 0.002 % ≤ P ≤ 0.150 %, 0.002 % ≤ S ≤ 0.040 %, 0.005 % ≤ Cu ≤ 1.00 %, 0.005 % ≤ Cr ≤ 3.00 %, 0.01 % ≤ Mo ≤ 1.00 %, 0.005 % ≤ Nb ≤ 0.055 %, 0.001 % ≤ V ≤ 0.150 %, 0.01 % ≤ Ni ≤ 4.00 %, 0.0001 % ≤ B ≤ 0.0080 %, 0.002 % ≤ Ti ≤ 0.25 %, 0.002 % ≤ Al ≤ 0.095 %, 0.002 % ≤ Sn ≤ 0.045 %		
※ 2 0.01 % ≤ Si ≤ 0.60 %, 0.01 % ≤ Mn ≤ 2.00 %, 0.003 % ≤ P ≤ 0.10 %, 0.01 % ≤ Cu ≤ 0.50 %, 0.01 % ≤ Cr ≤ 3.00 %, 0.01 % ≤ Mo ≤ 1.20 %, 0.002 % ≤ V ≤ 0.50 %, 0.01 % ≤ Ni ≤ 4.00 %, 0.001 % ≤ Ti ≤ 0.30 %, 0.004 % ≤ Al ≤ 0.10 %, 0.003 % ≤ Co ≤ 0.20 %		
※ 3 0.08 % ≤ Si ≤ 1.00 %, 0.01 % ≤ Mn ≤ 3.00 %, 0.002 % ≤ P ≤ 0.050 %, 0.03 % ≤ Cu ≤ 0.45 %, 0.01 % ≤ Cr ≤ 23.00 %, 0.01 % ≤ Mo ≤ 3.85 %, 0.001 % ≤ Nb ≤ 1.50 %, 0.001 % ≤ V ≤ 0.35 %, 0.01 % ≤ Ni ≤ 15.00 %, 0.001 % ≤ Ti ≤ 0.45 %		

Japan Accreditation Board