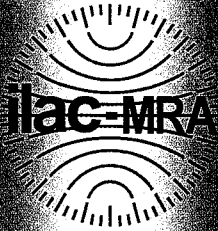




JAB



Testing Laboratory
Accreditation
Certificate

Accreditation No. RTL00100

Sanyo Special Steel Co., Ltd.
Quality Assurance Department Testing & Research Section

3007, Ichimonji, Nakashima, Shikama-ku, Himeji-shi, Hyogo,
672-8677 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.

Renewed (6)	October 31, 2017
Initial accreditation	December 26, 1997

T. Oda, Chairman
Laboratory Accreditation Committee

Y. Mizuka, President
Japan Accreditation Board

Accreditation No.

RTL00100

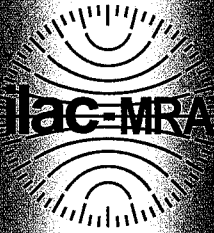
Accreditation Certificate

Appendix

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JAB



Type of Laboratory	Testing Laboratory
Name of Laboratory	Sanyo Special Steel Co., Ltd. Quality Assurance Department Testing & Research Section
Address	3007, Ichimonji, Nakashima, Shikama-ku, Himeji-shi, Hyogo, 672-8677 Japan

1) Premises on which testing activities are performed

Name of Premises	Sanyo Special Steel Co.,LTD. Quality Assurance Department Testing & Research Section	
Address of Premises	Postal code	672-8677
	Address	3007 Nakashima, Shikama-ku, Himeji, 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 Molecular absorption Spectrometry: Infrared spectrometry	C 0.0047 % to 4.73 %	JIS G 1211-3 (except 8.4 a, b)
	S 0.0007 % to 0.346 %	JIS G 1215-4 (except 7.6.1, 7.6.2)
B4.3 Specific thermal conductivity measurement	N 0.0027 % to 0.0444 %	JIS G 1228 4 d)
	N 0.0027 % to 0.417 %	JIS G 1228 4 e) (except 7.5.1, 7.5.2, 7.5.3)
B2.4 Atomic emission spectrometry: Spark discharge atomic emission spectrometric analysis	*1	JIS G 1253
B3.1 X-ray fluorescent analysis:XRF	*2	JIS G 1256

Accreditation No.

RTL00100

Accreditation Certificate

Appendix

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JAB



Type of Laboratory	Testing Laboratory
Name of Laboratory	Sanyo Special Steel Co., Ltd. Quality Assurance Department Testing & Research Section
Address	3007, Ichimonji, Nakashima, Shikama-ku, Himeji-shi, Hyogo, 672-8677 Japan

CODE & NAME OF TCT ²	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
(Note)		
*1:		
C 0.045 % to	1.00 %	Cu 0.008 % to 0.40 %
Si 0.006 % to	0.74 %	Sn 0.001 % to 0.057 %
Mn 0.011 % to	1.00 %	Al 0.0024 % to 0.060 %
P 0.003 % to	0.049 %	Pb 0.001 % to 0.020 %
S 0.003 % to	0.040 %	Ti 0.0005 % to 0.045 %
Ni 0.014 % to	1.00 %	V 0.01 % to 0.30 %
Cr 0.013 % to	1.50 %	Nb 0.009 % to 0.20 %
Mo 0.01 % to	0.03 %	B 0.00012 % to 0.0031 %
*2:		
Si 0.006 % to	3.00 %	Pb 0.002 % to 0.024 %
Mn 0.011 % to	7.00 %	Ti 0.0010 % to 2.000 %
P 0.003 % to	0.060 %	V 0.01 % to 3.00 %
Ni 0.014 % to	73.00 %	W 0.01 % to 9.40 %
Cr 0.013 % to	27.00 %	Nb 0.009 % to 3.50 %
Mo 0.004 % to	8.50 %	Co 0.01 % to 9.45 %
Cu 0.01 % to	3.70 %	Al 0.060 % to 0.99 %

Japan Accreditation Board