

Accreditation No.

RTL00430



JAB



# Accreditation Certificate

## Appendix

(Page 7/9)

Type of Laboratory	Testing Laboratory
Name of Laboratory	Kobe Material Testing Laboratory Co., Ltd.
Address	47-13, Niijima, Harima-cho, Kako-gun, Hyogo, 675-0155 Japan

### 1) Premises on which testing activities are performed

Name of Premises	Hitachi Minami Laboratory, Ibaraki Workshop	
Address of Premises	Postal code	319-1231
	Address	1270-60, Tome-cho, Hitachi-shi, Ibaraki, 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	M25 Mechanical Testing
CODE OF CIT*1	M25.A1.1
NAME OF CIT	Iron and Steel/Non-ferrous Metal

\*1 CIT: Classification of Item to be Tested

\*2 TCT: Technical Classification of Test

CODE & NAME OF TCT*2	TEST METHOD STANDARD OR STANDARD OPERATING PROCEDURE (SECTION NO. LIMITED OR EXCLUDED)	TEST CONDITION etc.
B13.1 Tensile Testing	JIS Z 2241, ASTM E8/E8M	Test force: Under 100 kN
	JIS G 0567, ASTM E21	Test temperature: 100 °C to 900 °C, excl Test force: Under 100 kN
	JIS Z 3121	Test category: Tensile test Test temperature: 23±5 °C Test force: Under 1000 kN
B13.3.1 Bend testing	JIS Z 3122	Test specimen: Side bend. Face bend. Root bend Test force: 1000 kN Thickness: 3 mm to 30 mm
B13.4.1 Charpy impact test	JIS Z 2242	Test temperature: -196 °C (cooled in liquid nitrogen), -130 °C to 150 °C K2 up to 300 J
B13.6.1 Brinell hardness test	JIS Z 2243-1, JIS Z 2243-2 ASTM E10	Brinell hardness: 20 HBW 10/500 to 650 HBW 10/3000
B13.6.2 Vickers hardness test	JIS Z 2244, ASTM E92 (except Knoop hardness)	Vickers hardness: 80 HV to 900 HV Test force: 49.03 N to 490.3 N



LAB



## Accreditation Certificate

## Appendix

(Page 8/9)

Type of Laboratory	Testing Laboratory
Name of Laboratory	Kobe Material Testing Laboratory Co., Ltd.
Address	47-13, Niijima, Harima-cho, Kako-gun, Hyogo, 675-0155 Japan

CODE & NAME OF TCT*2	TEST METHOD STANDARD OR STANDARD OPERATING PROCEDURE (SECTION NO. LIMITED OR EXCLUDED)	TEST CONDITION etc.
B13.6.3 Rockwell hardness test	JIS Z 2245	Rockwell hardness: 10 HRC to 70 HRC Rockwell hardness: 20 HRBW to 100 HRBW
	ASTM E18	Rockwell hardness: 10 HRC to 70 HRC
B13.5.1 Fracture toughness testing	ASTM E399	Test specimen: CT specimen Test temperature: Normal temperature Test force: Up to 300 kN
B13.15.1 High-cycle fatigue testing	ASTM E466	Control waveform: Triangular wave, sine wave, trapezoidal wave Test temperature: Room temperature to 1150 °C Test force: Up to 80 kN
B13.15.2 Low-cycle fatigue testing	JIS Z 2279	Control waveform: Triangular wave, sine wave Test temperature: Room temperature to 1150 °C Test force: Up to 80 kN
	ASTM E606/E606M	Control waveform: Triangular wave, sine wave, trapezoidal wave Test temperature: Room temperature to 1150 °C Test force: Up to 80 kN