

Classification for scope of accreditation of laboratories

JAB RL205:2019

78th Edition : September 15, 2019

First Edition : October 1, 1996

This document shall be construed and all questions relating thereto shall be determined in accordance with the original Japanese text.

Japan Accreditation Board

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1. Scope

This document describes the scope of accreditation for testing or calibration laboratories, based on ISO/IEC 17025, by the Japan Accreditation Board (hereinafter referred to as “JAB”).

This document applies to the accreditation of testing or calibration laboratories when they make an application for laboratory accreditation in accordance with ISO/IEC 17025, and when JAB accepts the application and grant accreditation.

Appropriate the code of classification for extending accreditation

- Calibration laboratory (Code of classification : M10) :
To add the code of classification of Class (1) and/or Class (2) set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.
- Electrical testing (Code of classification : M21) :
To add the code of classification of Class (1) and/or Class (2) set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.
- Mechanical testing (Code of classification : M25) :
To add the combination of “the code of classification from Class (1) to Class (3) on 2.3.1” and “the code of classification of Class (1) and/or Class (2) on 2.3.2”, set up the follow table, for the first time, to an appendix of accreditation certificate by JAB
- Chemical testing (Code of classification : M26) :
To add the combination of “the Code of classification of materials or products tested (from A1 to A17) on 2.4.1” and “the code of classification of Class (1) and/or Class (2) on 2.4.2”, set up the follow table, for the first time, to an appendix of accreditation certificate by JAB.
- Food and Drug testing (Code of classification : M27) :
To add the combination of “the Code of classification of materials or products tested from Class(1) to Class(3) on 2.5.1” and “the code of classification of technique used of Class (1) and/or Class (2) on 2.5.2”, set up the follow table, for the first time, to an appendix of accreditation certificate by JAB.
- Testing for Construction Materials (Code of classification : M28) :
To add the combination of “the Code of classification of materials or products tested (from A1 to A5) on 2.6.1” and “the code of classification of technique used of Class (1) and/or Class (2) on 2.6.2”, set up the follow table, for the first time, to an appendix of accreditation certificate by JAB.
- Test regarding the Fire Service Law (Code of classification : M29)
To add the code of classification of Class (1) set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.
- Ship test (Code of classification : M30) :
To add the code of classification of Class (1) and/or Class(2) set up on the follow table,

- for the first time, to an appendix of accreditation certificate by JAB.
- Testing for Industrial Safety Devices (Code of classification : M31) :
To add the code of classification of Class (1) and/or Class(2) set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.
 - Biological Sciences Testing (Code of classification : M32)
To add the combination of “the code of classification of materials or products tested of Class(1) on 2.10.1” and “the code of classification of technique used of Class(1) on 2.10.2”, set up the follow table, for the first time, to an appendix of accreditation certificate by JAB.
 - Ionized Radiation Monitoring (Code of classification : M33) :
To add the code of classification of Class (2) and/or Class(3) of M33.1 and to add the code of classification of Class (2) of M33.2 set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.

When testing or calibration laboratories make an application without scope of accreditation of clause 2, for laboratory accreditation in accordance with ISO/IEC 17025, it will be able for JAB to set the new code of classification and then for laboratories to make an application. It means extending accreditation to add the new code of classification to an accreditation certificate.

2. Scope of accreditation to be described

2.1 Calibration laboratory (Code of classification : M10)

Appropriate the code of classification for extending accreditation

- : To add the code of classification of Class (1) and/or Class (2) set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Code of classification	Field (method)	Class (1)	Class (2)	Class (3)
M10	Calibration			
M11	Electromagnetics(DC/Low Frequency)			
M11.1		Voltage/current converters(to 1MHz)		
M11.2		AC resistors		
M11.3		Capacitance dividers		
M11.4		Current transformers		
M11.5		DC resistance		
M11.6		DC voltage		
M11.7		High voltage resistors		
M11.8		Inductive dividers		
M11.9		AC voltage		
M11.10		LF capacitance		

Code of classification	Field (method)	Class (1)	Class (2)	Class (3)
M10	Calibration			
M11.11		LF inductance		
M11.12		LF power/energy		
M11.13		Magnetics		
M11.14		Mixed dividers		
M11.15		Phase meters		
M11.16		Power-frequency capacitors		
M11.17		Pulse waveform		
M11.18		Resistance dividers		
M11.19		Voltage transformers		
M11.20		Direct current		
M11.21		Alternating current		
M11.22		Impulse voltage		
M11.23		Impulse current		
M11.24		Receiver, indicating instrument (DC resistance, DC voltage and Direct current)		
M11.25		Withstand voltage testers (DC voltage, Direct current, AC voltage and AC current)		
M11.26		Harmonics		
M11.26.1			Voltage harmonics	
M11.26.2			Current harmonics	
M12	Electromagnetics(High Frequencies)			
M12.1		Coaxial air line standards		
M12.2		Coaxial/waveguide terminations		
M12.3		Dielectric materials		
M12.4		Electromagnetic field strength		
M12.5		HF capacitance		
M12.6		HF inductance		
M12.7		High frequency resistors		
M12.8		Microwave antenna parameters		
M12.9		Noise temperature		
M12.10		Q-standards		
M12.11		RF voltage/current/ power		
M12.12		RF/microwave bolometer units		
M12.13		RF/microwave attenuators		
M12.14		RF/microwave phase shifters		
M12.15		VHF omnidirectional range		
M12.16		EMC measuring equipment		
M13	Dimensional			

Code of classification	Field (method)	Class (1)	Class (2)	Class (3)
M10	Calibration			
M13.1		Angular		
M13.2		Ring gauges		
M13.3		Gauge blocks		
M13.4		Laser frequency/wavelength		
M13.5		Length and diameter step gauges		
M13.6		Line standards		
M13.7		measuring wires		
M13.8		Optical reference planes		
M13.9		Roundness		
M13.10		Sieves		
M13.11		Spherical diameter(plug/ring gauges)		
M13.12		Surface texture		
M13.13		Surveying rods and tapes		
M13.14		Threaded plug and ring gauges		
M13.15		Two dimensional gauges		
M13.16		Gear and gear measuring instruments		
M13.17		Micrometers		
M13.18		Calipers		
M13.19		Dial gauges		
M13.20		Film Thickness Measurement System		
M13.21		Length measuring instruments		
M13.22		Coordinate measuring system		
M13.22.1			Measuring microscopes	
M13.22.2			Measuring projectors	
M13.22.3			3D coordinate measuring device	
M13.23		Standard scales		
M13.24		Extensometer		
M14	Mechanical			
M14.1		Acoustic		
M14.2		Acoustic emission transducers		
M14.3		Airspeed		
M14.4		Cryogenic flow rate		
M14.5		Flow rate		
M14.6		Force		
M14.6.1			Uniaxial testing	

Code of classification	Field (method)	Class (1)	Class (2)	Class (3)
M10	Calibration			
			machine (force)	
M14.6.2			Uniaxial testing machine (crosshead displacement)	
M14.6.3			Uniaxial testing machine (crosshead moving speed)	
M14.7		Hydrometers		
M14.8		Mass		
M14.9		Ultrasonic reference block		
M14.10		Ultrasonic transducer		
M14.11		Vibration		
M14.12		Volume and density		
M14.13		Leak artifacts		
M14.14		Pressure		
M14.15		Vacuum and low pressure gauges		
M14.16		Vacuum and low pressure transducers		
M14.17		Viscosity		
M14.18		Torque		
M15	Optical Radiation			
M15.1		Laser		
M15.1.1			Laser power	
M15.1.2			Laser power energy	
M15.2		Luminous Intensity		
M15.2.1			Luminous Intensity	
M15.2.2			Luminous Flux	
M15.2.3			Total Flux	
M15.2.4			Luminance	
M15.2.5			Illuminance	
M15.3		Radiometric		
M15.4		Spectrophotometric		
M15.5		UV radiometric-standard detectors		
M15.6		UV radiometric-standard sources		
M15.7		Attenuation		
M15.8		Optical attenuator		

Code of classification	Field (method)	Class (1)	Class (2)	Class (3)
M10	Calibration			
M15.9		Radiometry		
M15.9.1			Spectral Radiance	
M15.9.2			Spectral Irradiance	
M15.9.3			Spectral Radiant Flux	
M15.9.4			Total Spectral Radiant Flux	
M15.9.5			Relative Spectral Distribution	
M15.9.6			Reflectance (diffuse, spectral)	
M15.9.7			Colorimetric quantity	
M15.9.8			Spectral diffuse reflectance	
M15.10		Spectroscopy and Polarimetry		
M15.10.1			Ultraviolet-visible-near infrared spectroscopy	
M15.10.2			Infrared spectroscopy	
M15.10.3			Refractive index	
M15.10.4			Optical rotation	
M15.10.5			Circular dichroism	
M15.10.6			Ellipsometry	
M15.10.7			Raman spectroscopy	
M16	Ionizing Radiation			
M16.1		Dosimetry of x-ray, gamma rays and electronics		
M16.2		High-dose dosimetry		
M16.3		Neutron sources and dosimeters		
M16.4		Radioactive sources		
M17	Thermodynamic			
M17.1		Heat flux gauges		
M17.2		Humidity		

Code of classification	Field (method)	Class (1)	Class (2)	Class (3)
M10	Calibration			
M17.3		Temperature		
M17.3.1			Glass thermometers	
M17.3.2			Resistance thermometry	
M17.3.3			Thermocouples	
M17.3.4			Radiation thermometry	
M17.3.5			Thermometer calibration equipment	
M17.7		Environmental testing chamber		
M17.7.1			Temperature chamber	
M17.7.2			Temperature/humidity chamber	
M18	Time and Frequency			
M18.1		Time dissemination		
M18.2		Frequency dissemination		
M18.3		Oscillator characterization		
M19	Amount of substance			
M19.1		Molarity		
M19.2		Number concentration		
M19.2.1			Number concentration of erythrocytes	
M19.2.2			Number concentration of leukocytes	
M19.2.3			Number concentration of platelets	
M19.3		Mass concentration		
M19.3.1			Hemoglobin concentration	
M19.4		Volume percentage		
M19.4.1			Packed cell volume (hematocrit)	
M19.5		Amount-of-substance fraction		

2.2 Electrical testing (Code of classification : M21)

Appropriate the code of classification for extending accreditation

: To add the code of classification of Class (1) and/or Class (2) set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
M21.1		Electric and Magnetic measurement		
M21.1.1			DC Voltage measurement	
M21.1.2			DC Resistance measurement	
M21.1.3			DC Current measurement	
M21.1.4			AC Voltage measurement	
M21.1.5			AC Current measurement	
M21.1.6			Electric Power measurement	
M21.1.7			Electric Energy measurement	
M21.1.8			RF Voltage measurement	
M21.1.9			RF Power measurement	
M21.1.10			Measurement of other Electric and Magnetic quantity	
M21.2		High-voltage testing		
M21.2.1			DC voltage tests	
M21.2.2			AC voltage tests	
M21.2.3			Impulse voltage tests	
M21.2.4			Impulse current tests	
M21.2.5			Partial discharge tests	
M21.2.6			Spark discharge tests	
M21.2.9			Combination of above-mentioned tests	
M21.3		High-power testing		
M21.3.1			Short-circuit tests, Out-of-Phase tests, Single-phase and double-earth fault tests, Mainly active load current switching tests, Electromagnetically induced current switching tests, Bus-transfer current switching tests, Inductive current switching tests	
M21.3.2			Short-line fault tests	
M21.3.3			Capacitive current switching tests, Electrostatically induced current switching tests	
M21.3.4			DC short-circuit tests	
M21.3.5			Tests excluding above-mentioned tests	
M21.3.6			High-power tests excluding above-mentioned tests	

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
			[Short-time withstand current and peak withstand current tests, Arc tests, Operating duty tests (arrestor etc.), Short-circuit tests (transformer, CT, PT, cable, reactor etc.), Trapped charge discharge tests, Short-circuit tests (resistor) , etc.]	
M21.4		Electromagnetic compatibility testing		
M21.4.1			Continuous disturbance tests	
M21.4.2			Continuous disturbance tests (on board vehicle)	
M21.4.3			Discontinuous disturbance tests	
M21.4.4			Conducted emission tests at telecommunication ports	
M21.4.5			Magnetic/Electric field test(up to 30MHz)	
M21.4.6			Electric field test(30MHz to 1GHz)	
M21.4.7			Electric field test(1GHz and over)	
M21.4.8			Electric field test (on board vehicle)	
M21.4.9			Disturbance power tests	
M21.4.10			Harmonic current emission tests	
M21.4.12			Voltage fluctuation and flicker tests	
M21.4.13			Transient emission tests	
M21.4.14			Electrostatic discharge immunity tests	
M21.4.15			RF radiated electromagnetic field immunity tests	
M21.4.16			Electrical fast transient / burst tests	
M21.4.17			Surge immunity tests	
M21.4.18			RF conducted immunity tests	
M21.4.19			Power frequency magnetic field immunity tests	
M21.4.20			A.C. power supply fluctuation immunity tests	

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
M21.4.21			Immunity tests for Information technology equipment, broadcast receivers and associated equipment	
M21.4.22			Immunity tests for equipment installed on road vehicles	
M21.4.23			Test for immunity to conducted disturbance in the frequency range 0Hz to 150kHz	
M21.4.25			Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	
M21.4.26			Immunity tests for airborne equipment	
M21.4.27			Pulse Magnetic Field Immunity Test	
M21.4.28			Ring wave immunity test	
M21.5		Environmental testing		
M21.5.1			Cold tests	
M21.5.2			Dry heat tests	
M21.5.3			Test N: Change of temperature	
M21.5.5			Damp heat tests, steady state	
M21.5.6			Damp heat tests, cyclic (12 + 12-Hour cycle)	
M21.5.7			Composite temperature/humidity cyclic tests	
M21.5.8			Damp heat tests, steady state, primarily for equipment	
M21.5.9			Salt mist tests	
M21.5.10			Salt mist tests, cyclic (sodium, chloride solution)	
M21.5.11			Sealing tests	
M21.5.13			Decompression tests	
M21.5.14			Combined cold/low air pressure tests	
M21.5.15			Combined dry heat/low air pressure tests	
M21.5.16			Water tests	
M21.5.17			Weatherability tests	
M21.5.18			Vibration tests (sinusoidal)	
M21.5.19			Combined climatic	

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
			(temperature/humidity) and dynamic (vibration/shock) tests	
M21.5.21			Broad-band random vibration tests (digital control)	
M21.5.22			Acceleration tests, steady state	
M21.5.23			Acceleration tests, steady state	
M21.5.24			Bump tests	
M21.5.25			Drop and topple tests, primarily for equipment-type specimens	
M21.5.26			Free fall tests	
M21.5.27			Impact tests, spring hammer	
M21.5.28			Robustness tests of terminations and integral mounting devices	
M21.5.29			Soldering tests	
M21.5.30			Solderability tests by the wetting balance method	
M21.5.31			Solderability tests and resistance tests to dissolution of metallization and to soldering heat of surface mounting devices (SMD)	
M21.5.32			Electronic and electrical resistance tests to solvents (immersion in cleaning solvents)	
M21.5.33			Sulphur dioxide tests for contacts and connections	
M21.5.34			Hydrogen sulphide tests for contacts and connections	
M21.5.35			Flowing mixed gas corrosion tests	
M21.5.36			Other Environmental tests	
M21.11		Electric and Electronic Materials		
M21.12		Electronic Devices		
M21.12.1			Conducting Material, Resistance Material	
M21.12.2			Semi-conductor Material	
M21.12.3			Dielectric Material, Insulating Material	
M21.12.4			Magnetic Material	
M21.12.5			Functional Materials	
M21.13		Sensors		
M21.14		Measuring		

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
		Instruments		
M21.14.1			Electric Measuring Instruments, Electronic Measuring Instruments	
M21.14.2			Applied Electric Measuring Instruments	
M21.14.3			Optical Measuring Instruments	
M21.14.4			Applied Optical Measuring Instruments	
M21.14.5			Radiation Measuring Instruments	
M21.14.6			Analytical Instrument for Medical Laboratory	
M21.15		Electrical Insulators		
M21.16		Cords and Cables		
M21.17		Accessories		
M21.17.1			Conducting Tubes	
M21.17.2			Connectors, Connection Devices	
M21.17.3			Plugs, Socket-outlets, Couplers	
M21.17.4			Switches Product Operation Tests	
M21.17.5			Fuses and Other Overcurrent Protection Devices	
M21.17.6			Relays	
M21.17.7			Other Accessories	
M21.18		Components		
M21.19		Rotating Machinery and Linear Motors		
M21.20		Equipment for Electrical Substation and Transmission and Power Distribution		
M21.20.1			Tests for Transformers	
M21.20.2			Tests for Reactors	
M21.20.3			Tests for Potential Transformers (VTs, CTs, CVTs and Shunts)	
M21.20.4			Tests for Capacitors	
M21.20.5			Tests for Circuit-breakers	
M21.20.6			Tests for Disconnectors	
M21.20.7			Tests for Distributors, Bus Bars, Cubicles and, Switchgears and Controlgears	
M21.20.8			Tests for Arresters	

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
M21.20.9			Tests for Transmission and Distribution lines	
M21.20.10			Tests for Supporting Structures (Telegraph Poles, Insulators)	
M21.21		Installation Protective Relays and Monitoring/Control Equipment		
M21.22		Power Electronic Equipment		
M21.23		Superconducting Equipment		
M21.24		Electric Power Equipment		
M21.25		New Generating Energy Equipment		
M21.26		Computers, Information Technology Equipment and Office Equipment		
M21.26.1			Performance Tests for Information Technology Equipment	
M21.26.2			Safety Tests for Information Technology Equipment	
M21.27		Radio Transmitter		
M21.27.1			Frequency	
M21.27.2			Occupied frequency bandwidth	
M21.27.3			Spurious emission intensity	
M21.27.4			Antenna power	
M21.27.5			Specific absorption rate	
M21.27.6			Frequency deviation, frequency deflection, or degree of modulation	
M21.27.7			Pre-emphasis characteristics	
M21.27.8			Carrier-wave power	
M21.27.9			Overall frequency characteristics	
M21.27.10			Overall distortion and noise	
M21.27.11			Transmission rise time and transmission fall time	
M21.27.12			Adjacent channel leakage power or out-band leakage power	
M21.27.13			Power when carrier is not	

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
			being transmitted	
M21.27.14			Transmission rate	
M21.27.15			Other Radio Transmitter Tests	
M21.28		Radio Receiver		
M21.28.1			Limit of radio waves which are secondarily emitted	
M21.28.2			Sensitivity	
M21.28.3			Passing bandwidth	
M21.28.4			Attenuation	
M21.28.5			Spurious response	
M21.28.6			Adjacent channel selectivity	
M21.28.7			Sensitivity suppression effect	
M21.28.8			Intermodulation characteristics	
M21.28.9			Frequency fluctuation of local oscillator	
M21.28.10			De-emphasis characteristics	
M21.28.11			Overall distortion and noise	
M21.28.12			Other Radio Receiver Test	
M21.29		Terminal Equipments		
M21.29.1			Analog Telephone Terminals	
M21.29.2			Mobile Telephone Terminals	
M21.29.3			Terminal Equipments to be Connected to Radio Paging Circuit Facilities	
M21.29.4			Terminal Equipments to be Connected to Integrated Services Digital Network (ISDN)	
M21.29.5			Terminal Equipments to be Connected to Private Circuit Facilities or Digital Data Transmission Facilities	
M21.29.6			Other Terminal Equipments	
M21.30		System Software		
M21.31		Electric Heating Equipment		
M21.32		Electrochemical Equipment, Cells and Batteries		
M21.33		Lighting		
M21.34		Household and Similar Equipment (Except Air Conditioners and		

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
		Heat Pumps)		
M21.35		Air Conditioners and Heat Pumps		
M21.35.1			Cooling/Heating Performance Test	
M21.35.2			Cooling/Heating Power Consumption Test	
M21.35.3			Air-flow Test	
M21.35.4			Noise Test	
M21.35.5			Other Performance Test for Operation	
M21.35.6			Temperature Test	
M21.35.7			Insulation Resistance Test	
M21.35.8			Dielectric withstand voltage test	
M21.35.9			Starting Current Test	
M21.35.10			Test for insulation under water spray	
M21.35.11			Abnormality Test	
M21.35.12			Construction test	
M21.35.13			Test of strength of noise generated	
M21.35.14			Material Test	
M21.35.15			Other Safety Performance Test	
M21.36		Medical Electrical Devices		
M21.37		Testing for the ENERGY STAR Laboratory (Note 1) Recognition Program		
M21.39		Maritime navigation and radio communication equipment		
M21.40		Communication Robustness Testing for Secure Control Device		
M21.41		Accreditation Scope of EMC laboratory for FCC	(Note 2)	
M21.41.1			Unintentional Radiators (FCC Part 15, Subpart B)	

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
M21.41.2			Industrial, Scientific, and Medical Equipment (FCC Part 18) • Consumer ISM equipment	
M21.41.3			Intentional Radiators (FCC Part 15 Subpart C)	
M21.41.4			UPCS (FCC Part 15, Subpart D) • Unlicensed Personal Communication Systems devices	
M21.41.5			U-NII without DFS Intentional Radiators (FCC Part 15, Subpart E) • Unlicensed National Information Infrastructure Devices (U-NII without DFS)	
M21.41.6			U-NII with DFS Intentional Radiators (FCC Part 15 Subpart E) • Unlicensed National Information Infrastructure U-NII) Devices with Dynamic Frequency Selection (DFS)	
M21.41.7			UWB Intentional Radiators (FCC Part 15, Subpart F) • Ultra-wideband Operation	
M21.41.8			BPL Intentional Radiators (FCC Part 15, Subpart G) • Access Broadband Over Power Line (Access BPL)	
M21.41.9			White Space Device Intentional Radiators (FCC Part 15, Subpart H) • White Space Devices	
M21.41.10			Commercial Mobile Services (FCC Licensed Radio Service Equipment) • Part 22 (cellular) • Part 24 • Part 25 (below 3 GHz) • Part 27	
M21.41.11			General Mobile Radio Services (FCC Licensed Radio Service Equipment) • Part 22 (non-cellular) • Part 90 (below 3 GHz) • Part 95	

Code of classification	Field	Class(1)	Class(2)	Class(3)
M21	Electrical testing			
			<ul style="list-style-type: none"> • Part 97 (below 3 GHz) • Part 101 (below 3 GHz) 	
M21.41.12			Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment) <ul style="list-style-type: none"> • Part 96 	
M21.41.13			Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) <ul style="list-style-type: none"> • Part 80 • Part 87 	
M21.41.14			Microwave and Millimeter Bands Radio Services (FCC Licensed Radio Service Equipment) <ul style="list-style-type: none"> • Part 25 • Part 30 • Part 74 • Part 90 (above 3 GHz) • Part 95 (above 3 GHz) • Part 97 (above 3 GHz) • Part 101 	
M21.41.15			Broadcast Radio Services (FCC Licensed Radio Service Equipment) <ul style="list-style-type: none"> • Part 73 • Part 74 (below 3 GHz) 	
M21.41.16			RF Exposure <ul style="list-style-type: none"> • Devices subject to SAR requirements 	
M21.41.17			Hearing Aid Compatibility (Part 20) <ul style="list-style-type: none"> • HAC for Commercial mobile services 	
M21.41.18			Signal Boosters (Part 20) <ul style="list-style-type: none"> • Wideband Consumer signal boosters • Provider-specific signal boosters • Industrial signal boosters • Signal Boosters (Section 90.219) 	

Note 1 : Name and E-mail address of the contact person shall be written on the accreditation certificate of M21.37 because EPA (Environmental Protection Agency of U.S.A.) requires it. However it is not required if the laboratory does not require the recognition of EPA.

Note 2 : The class (2) of M21.41 is written by English because it is requirements of FCC

(Federal Communications Commission of U.S.A.).

2.3 Mechanical testing (Code of classification : M25)

Appropriate the code of classification for extending accreditation

: To add the combination of “the code of classification from Class (1) to Class (3) on 2.3.1” and “the code of classification of Class (1) and/or Class (2) on 2.3.2”, set up the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Practically, it is to list all the corresponding “code of technical classification of test” for one “code of classification of item to be tested”.

2.3.1 Code of classification of item to be tested

Code of classification of item to be tested	Field	Classification of item to be tested		
		Class(1)	Class(2)	Class(3)
M25	Mechanical testing			
M25.A1		Metallic material and fasteners		
M25.A1.1			Steel and non-ferrous metal	
M25.A1.2			Fasteners	
M25.A2		Organic polymeric materials		
M25.A2.1			Plastics	
M25.A2.2			Rubber	
M25.A2.3			Textile goods including its semi-finished goods	
M25.A2.4			Wood - based material	
M25.A2.5			paper and pulp	
M25.A2.6			Leather	
M25.A2.7			Paint and coating	
M25.A2.8			Adhesive and sealing material	
M25.A3		Civil engineering and building material		
M25.A3.1			Concrete	
M25.A3.2			Materials for concrete	
M25.A3.2.1				Aggregate
M25.A3.2.2				Admixture
M25.A3.2.3				Other materials for concrete
M25.A3.3			Concrete product, tile and brick	

Code of classification of item to be tested	Field	Classification of item to be tested		
		Class(1)	Class(2)	Class(3)
M25.A3.4			Soil and rock	
M25.A3.5			Temporary building material	
M25.A3.6			Building material	
M25.A3.7			Cement	
M25.A4		Ceramics		
M25.A4.1			Ceramics	
M25.A4.2			Insulator	
M25.A4.3			Refractory material and heat insulator material	
M25.A4.4			Glass product and textile product made of minerals	
M25.A4.5			Grinding Material and grind stone	
M25.A5		General machinery		
M25.A5.1			Solar battery panel	
M25.A6		Industrial machine and its parts		
M25.A6.1			Electric wire	
M25.A7		Transport device and its component		
M25.A7.1			Automobiles	
M25.A7.2			Automobile parts	
M25.A7.2.1				Engine
M25.A7.2.2				Power transmission, steering and suspension device
M25.A7.2.3				Brake
M25.A7.2.4				Tire and wheel
M25.A7.2.5				Body parts and interior parts
M25.A7.2.6				Connecting device
M25.A7.2.7				Lighting device and component
M25.A7.2.8				Electrical component other than lighting component
M25.A7.2.9				Mechanical element
M25.A7.2.10				Accessories
M25.A7.2.11				Materials
M25.A7.2.12				Fuel and fats
M25.A7.2.13				Emission measuring system
M25.A7.3			Railway vehicle material and	

Code of classification of item to be tested	Field	Classification of item to be tested		
		Class(1)	Class(2)	Class(3)
			component	
M25.A7.4			Shipping material and component	
M25.A7.5			Aircraft material and component	
M25.A8		Daily necessities and toys		
M25.A8.1			Furniture and indoor article	
M25.A8.2			Gas or oil combustion equipment, tableware and kitchen ware	
M25.A8.2.1				Gas or oil combustion equipment
M25.A8.2.2				Gas cord
M25.A8.2.3				Tableware
M25.A8.2.4				Kitchen ware
M25.A8.3			Other household commodities	
M25.A8.4			Stationery and office supplies	
M25.A8.5			Sporting goods	
M25.A8.6			Amusement articles and music articles	
M25.A8.6.1				Toys
M25.A8.6.2				Cigarette lighter and multi-purpose lighter
M25.A9		Bag, shoes and personal ornament		
M25.A10		Mine		
M25.A11		Medical safety tool		
M25.A12		Other articles		
M25.A13		Composite material		
M25.A14		Physical and Chemical appliances		
M25.A14.1			Piston volumeter	

2.3.2 Code of technical classification of test

Code of technical classification of test	Class(1)	Class(2)	Class(3)
B1	Density measurement test		

Code of technical classification of test	Class(1)	Class(2)	Class(3)
B2	Composition analytical test		
B2.1		Structure examination	
B2.1.1			Macro-structure examination
B2.1.2			Micro-structure examination
B2.1.3			Grain size number test
B2.1.4			Microscopical examination of nonmetallic inclusions
B2.1.5			Macro-streak-flaw test
B2.1.6			Sulfur print examination
B2.2		Quench-hardened or decarburized layer depth measurement test	
B2.2.1			Quench-hardened layer depth measurement test
B2.2.2			Decarburized layer depth measurement test
B2.3		Moisture content analytical test	
B2.4		Particle size test	
B2.5		Chemical composition analytical test	
B2.6		Other composition analytical test	
B3	Geometric test		
B3.1		Length measurement test	
B3.2		Thickness measurement test	
B3.3		Dimension & structure test	
B3.4		Surface roughness test	
B3.5		Smoothness test	
B3.6		Other geometric test	
B4	Mass measurement test		
B5	Thermophysical property measurement test		
B5.1		DSC (Differential scanning calorimetry) test	
B5.2		TG(Thermogravimetry) test	
B5.3		TMA(Thermomechanical analysis) test	

Code of technical classification of test	Class(1)	Class(2)	Class(3)
B5.4		Test for determination of thermal conductivity	
B5.5		Test for determination of coefficient of thermal expansion	
B5.6		Test for determination of solidification time	
B5.7		Test for determination of glass transition point	
B5.8		Test for determination of softening temperature	
B5.9		Test for heat sag	
B5.10		Deflection temperature under load measurement test	
B5.11		Melting temperature measurement test	
B5.12		Test for ignition loss of soil	
B5.13		Thermal shock test	
B5.14		Cyclic heat load test	
B5.15		Other thermal properties and temperature measurement test	
B6	Electric and magnetic properties measurement test		
B6.1		Test for slat rolled magnetic steel sheets	
B6.2		Electrical conductivity measurement test	
B6.3		Other electric and magnetic property measurement test	
B7	Optical property test		
B7.1		Luminance, luminous intensity, luminous flux, illuminance, etc. , measurement test	
B7.2		Refractive index measurement test	
B7.3		Test for determination of transmittance of ray of light	
B7.4		Haze test	
B7.5		Yellowness index measurement test	
B7.6		Image visibility test	

Code of technical classification of test	Class(1)	Class(2)	Class(3)
B8	Corrosion resistance and weatherability test		
B8.1		Corrosion resistance test	
B8.1.1			Salt water resistance test
B8.1.2			Chemical corrosion resistance test
B8.2		Weatherability test	
B8.2.1			Light fastness test
B8.2.2			Heat resistance test
B8.2.3			Moisture and water resistance test
B8.2.4			Ozone resistance test
B8.3		Heat resistance test	
B8.4		Color fading test	
B8.5		Other Corrosion and weather resistant test	
B9	Viscosity measurement test		
B9.1		Viscosity of solution measurement test	
B9.2		Viscosity of liquid measurement test	
B9.3		Viscosity measurement test	
B9.4		Rotational Viscometer test	
B9.5		Severs rheometer test	
B9.6		Dynamic viscoelasticity measurement test	
B9.7		Mooney Viscometer test	
B10	Fire test and combustion test		
B10.1		Incombustibility test	
B10.2		Flame resistance test	
B10.3		Combustion test	
B10.4		Ignitionability test	
B10.5		Calorimetric potential measurement test	
B10.6		Oxygen Index measurement test	
B10.7		Smoke propensity test	
B10.8		Toxicity test	
B10.9		Flame spread test	
B10.10		Fire and flame resistant test	

Code of technical classification of test	Class(1)	Class(2)	Class(3)
B11	Air permeability test and water permeability test		
B11.1		Air permeability test	
B11.2		Water permeability test	
B12	Water absorption test		
B13	Strength test		
B13.1		Tensile strength & elongation test	
B13.2		Compressive strength test	
B13.2.1			Uniaxial compression test
B13.2.2			Three dimensional compression test
B13.3		Bend test and transverse test	
B13.3.1			Bend test (for metallic materials) Flexural strength test (for concrete)
B13.3.2			Transverse test
B13.4		Impact test	
B13.4.1			Charpy impact test
B13.4.2			Izod impact test
B13.4.3			Dart impact test
B13.4.4			Puncture impact test
B13.4.5			Other impact tests
B13.5		Brittle fracture test	
B13.5.1			Fracture toughness test
B13.5.2			Drop weight test
B13.5.3			Test for determination of brittleness temperature
B13.5.4			(Other) Brittleness test
B13.6		Hardness test	
B13.6.1			Brinell hardness test
B13.6.2			Vickers hardness test
B13.6.3			Rockwell hardness test
B13.6.4			Shore hardness test
B13.6.5			Knoop hardness test
B13.6.6			Barcol hardness test
B13.6.7			Indentation hardness test
B13.6.8			Durometer hardness test
B13.6.9			Rubber

Code of technical classification of test	Class(1)	Class(2)	Class(3)
			property—international hardness test
B13.6.10			Dead load hardness test
B13.7		Elasticity test	
B13.7.1			Static elasticity test
B13.7.2			Impact resilience test
B13.7.3			Test for determination of shear modulus
B13.8		Shear test	
B13.8.1			Shear strength test
B13.8.2			Shear characteristic test
B13.8.3			Box shear test of soil
B13.8.4			Twist shear test of soil
B13.9		Adhesion strength test and bond strength test	
B13.10		Tearing strength test	
B13.11		Bursting strength test	
B13.12		Stiffness test	
B13.13		Pressure test	
B13.13.1			Bearing stress test
B13.13.2			Negative pressure test
B13.14		Load capacity test	
B13.15		Fatigue test	
B13.15.1			High cycle fatigue test
B13.15.2			Low cycle fatigue test
B13.15.3			Thermal fatigue test
B13.15.4			Tensile fatigue test
B13.15.5			Bending fatigue test
B13.15.6			Crack growth test
B13.15.7			Environmental stress cracking test
B13.16		Creep test	
B13.16.1			Tensile creep test
B13.16.2			Bending creep test
B13.16.3			Compression creep test
B13.16.4			Other creep tests
B13.17		Stress relaxation test	
B13.18		Torque test	
B13.18.1			Compensation torque test
B13.18.2			Torsion torque test
B13.18.3			Prevailing torque test
B13.18.4			Proof force test
B13.19		Other strength test	
B14	Durability test		

Code of technical classification of test	Class(1)	Class(2)	Class(3)
B14.1		Abrasion resistance test	
B14.2		Running durability test	
B14.3		Other durability tests	
B15	Acoustic test and Vibration test		
B15.1		Acoustic test	
B15.2		Vibration test	
B16	Deformation test		
B16.1		Flattening test	
B16.2		Flaring test and Expansion test	
B16.3		Fluidity test	
B16.4		Length change measurement test	
B16.5		Compaction test	
B16.6		Water absorption expansion test	
B16.7		Other deformation tests	
B17	Formability test		
B17.1		Erichsen test	
B17.2		Conical cup test	
B17.3		Test for determination of work hardening coefficient , n-value	
B17.4		Test for determination of plastic strain ratio, r-value	
B17.5		Extrusion formability	
B18	Rolling resistance test		
B19	Chemical property test		
B20	Non-destructive test		
B20.1		Radiograph test	
B20.2		Ultrasonic testing	
B20.3		Magnetic particle testing	
B20.4		Liquid penetrant testing	
B20.5		Eddy current testing	
B20.6		Leak test	
B20.7		Ultrasonic wave velocity of rock measurement test	
B20.8		Visual test and other non-destructive tests	
B21	Qualitative test		

Code of technical classification of test	Class(1)	Class(2)	Class(3)
	- appearance, colorimetry, sense of touch, etc.		
B22	Product testing		
B22.1		Cigarette lighter test and multi-purpose lighter tests	
B22.2		Toy test	
B22.3		Other paper and pulp tests	
B23	Flow rate test		
B24	Frictional resistance test		
B25	Volume and capacity test		

Note: The English name of a test can be flexibly changed by laboratories from the listed one above to alternative one if it is authorized by a standard or it is commonly used in the related industry.

2.4 Chemical testing (Code of classification : M26)

Appropriate the code of classification for extending accreditation

: To add the combination of “the Code of classification of materials or products tested (from A1 to A17) on 2.4.1” and “the code of classification of Class (1) and/or Class (2) on 2.4.2”, set up the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Practically, it is to list all the corresponding “code of classification of technique used” for one “code of classification of materials or products tested”.

2.4.1 Code of classification of materials or products tested

Code of classification of materials or products tested	Field	Classification of materials or products tested		
		Class(1)	Class(2)	Class(3)
M26	Chemical testing			
M26.A1		Metal, Material of metal, Metal Products		
M26.A2		Environmental sample		
M26.A4		Gas		
M26.A5		Ceramic 、 Glass 、 Material 、 Related products		
M26.A6		Electronics product、 Related products		
M26.A7		Chemicals 、 Reagents 、 Agricultural chemicals、 Materials、 Related products		

Code of classification of materials or products tested	Field	Classification of materials or products tested		
		Class(1)	Class(2)	Class(3)
M26	Chemical testing			
M26.A8		Resin , Rubber , Materials , Related products		
M26.A9		Fiber, Materials, Related products		
M26.A10		Construction materials (Board, Timber, Pulp, Paper)		
M26.A11		Print materials (Ink , Dye , Coating , Adhesive)		
M26.A12		Oils and fats , Surfactant , Related products		
M26.A13		Perfume , Dye , Organic color , Related products		
M26.A14		Lime		
M26.A15		Cement, Materials, Related products		
M26.A16		Coal, Petroleum, Related products		

2.4.2 Code of classification of technique used

Code of classification of technique used	Class(1)	Class(2)	Class(3)	Example (analysis · measurement)
B1	Gravimetric · Volumetric measurement technology			
B1.1		Gravimetric analysis		Electrogravimetric analysis Precipitation gravimetric analysis Gasification separation gravimetric analysis Heating gravimetric analysis Increase and decrease gravimetric analysis Coating weight measurement
B1.2		Volumetric analysis I		Neutralization titration Oxidation-reduction titration, Redox titration

Code of classification of technique used	Class(1)	Class(2)	Class(3)	Example (analysis • measurement)
				Compleximetry, Complexometric titration Precipitation titration Potentiometric titration Amperometric titration Coulometric titration Karl Fischer titration
B1.3		Volumetric analysis II		Gas volumetric analysis
B2	Optical measurement technology			
B2.1		Molecular absorption spectrometry		Non-dispersive infrared spectrometry : NDIR Vacuum ultraviolet spectrometry Ultraviolet-visible spectrometry Infrared spectrometry Near-infrared spectrometry
B2.2		Atomic absorption spectrometry		Flame atomic absorption spectrometry Flameless atomic absorption spectrometry
B2.3		Flame photometry		
B2.4		Atomic emission spectrometry		Spark source atomic emission spectrometry Glow discharge atomic emission spectrometry : GD-AES Liquid atomic emission spectrometry Inductively coupled plasma atomic emission spectrometry : ICP-AES Fluorometric analysis

Code of classification of technique used	Class(1)	Class(2)	Class(3)	Example (analysis · measurement)
				Raman spectrometry Phosphorescence spectroscopy
B2.5		Chemiluminescence analysis		Chemiluminescence analysis
B2.6		Microscope image analysis I		Optical microscope measurement Phase contrast microscope measurement Cofocus laser microscopy measurement Fluorescence microscopy measurement Total internal reflection fluorescence microscopy measurement : TIRFM Differential interference microscope measurement Polarized-light microscope measurement (Mineral microscope measurement) Raman microscope measurement
B2.7		Microscope image analysis II		Electron microscope measurement Transmission electron microscope measurement : TEM Scanning electron microscopy: SEM Analytical electron microscope measurement : AEM
B3	Electromagnetic measurement technology			
B3.1		X - ray fluorescence analysis : XRF		

Code of classification of technique used	Class(1)	Class(2)	Class(3)	Example (analysis · measurement)
B3.2		X - ray diffractometric analysis		
B3.3		Electron probe microanalysis : EPMA		
B3.4		Nuclear magnetic resonance spectroscopy		
B3.5		Electron spin resonance analysis		
B3.6		Mass spectrometry I		Gas chromatography-mass spectrometry : GC/MS Liquid chromatography-mass spectrometry : LC/MS
B3.7		Mass spectrometry II		Inductively coupled plasma mass spectrometry : ICP-MS Glow discharge mass spectrometry : GD-MS Glow discharge mass spectrometry : GD-MS
B4	Electrical measurement technology			
B4.1		Determination of pH		
B4.2		Electrical conductivity measuring method		
B4.3		Specific thermal conductivity measurement		
B4.4		Coulometry		
B4.5		Voltammetry		Polarography
B4.6		Ion selective electrode method		
B5	Separation measurement technology			
B5.1		Chromatography		Gas chromatography : GC High performance liquid chromatography : HPLC Ion chromatography : IC Thin layer chromatography : TLC
B5.2		Flow injection analysis		Flow analysis : FIA Continuous flow analyses : CFA
B5.3		Electrophoretic analysis		

Code of classification of technique used	Class(1)	Class(2)	Class(3)	Example (analysis • measurement)
B5.4		Distillation analysis		
B6	Thermal analysis technology			
B6.1		Differential thermal analysis, Differential scanning calorimetry		
B6.2		Thermogravimetric analysis		
B6.3		Thermomechanical analysis		
B7	Physical property measurement technology			
B7.1		Density measurement		
B7.2		Relative density measurement		Liquid specific gravity measurement Solid specific gravity measurement
B7.3		Optical rotation measurement		
B7.4		Viscosity measurement		
B7.5		Temperature measurement I		Boiling point and evaporation range measurement Melting point and melting range measurement Freezing point test Pour point measurement Cloud point measurement
B7.6		Temperature measurement II		Flash point measurement
B7.7		Humidity measurement • Dew point measurement		
B7.8		Particle size measurement • Sieving test		Sieving test Coulter counter method Particle counter method
B7.9		Visual characteristics test		Color test Visual comparison of color Specular gloss test
B7.10		Adhesion test		Adhesion measurement
B7.11		Film thickness measurement		
B8	Immunoassa			

Code of classification of technique used	Class(1)	Class(2)	Class(3)	Example (analysis・measurement)
	y technology			
B8.1		Immunologic analysis (Antigen antibody)		Enzyme-linked immunosorbent assay : ELISA
B9	Radioactivity/radiation testing			
B9.1		Radioactivity analysis		Gamma-ray spectrometry
B9.2		Radiation dose measurement		Radioactive surface contamination measurement Spatial dose-rate measurement
B10	Others			
B10.1		Sensory analysis		Tasting Olfaction test
B10.2		Biochemical test		BOD
B10.3		Sampling		

2.5 Food and Drug testing (Code of classification : M27)

Appropriate the code of classification for extending accreditation

: To add the combination of “the Code of classification of materials or products tested from Class(1) to Class(3) on 2.5.1” and “the code of classification of technique used of Class (1) and/or Class (2) on 2.5.2”, set up the follow table, for the first time, to an appendix I and II of accreditation certificate by JAB.

When the existing accreditation scope is B1 standard method, and when newly adding B1 standard method to the existing scope, the following conditions ① and ② are satisfied, it does not count as an expansion.

①A code to be added: The code of classification of item to be tested is the same as existing accreditation scope.

②When you replace the existed and new code of technical classification of test other than B1, the both codes are the same.

Practically, it is to list all the corresponding “code of classification of technique used” for one “code of classification of materials or products tested”.

The technical code below M27.B21.0 is referred from Japanese Pharmacopoeia.

2.5.1 Code of classification of materials or products tested

Code of classification of item to be tested	Field	Classification of materials or products tested			
		Class (1)	Class (2)	Class (3)	Example
M27	Food and Drug testing				
M27.A1		Food · Feed · Manure			
M27.A1.1			General Nutrition		Moisture, Protein, Lipid, Carbohydrates, Ash, Energy
M27.A1.2			Minerals		
M27.A1.3			Carbohydrate, Sugar		
M27.A1.4			Fiber, Dietary fiber		
M27.A1.5			Vitamins		
M27.A1.6			Fat-soluble compound		Fatty acid, Cholesterol
M27.A1.7			Nitrogen compound		Amino acid, Peptid
M27.A1.8			Functional ingredient		Carnitine, Lycopene
M27.A1.9			Additives		Food preservative
M27.A1.10			Pesticide residue etc		
M27.A1.10.1				Pesticide residue	
M27.A1.10.2				Veterinary medicine	
M27.A1.11			Natural toxins		
M27.A1.11.1				Animal toxin	Paralytic shellfish poison
M27.A1.11.2				Plant toxin	Solanine
M27.A1.11.3				Mycotoxin	Aflatoxin
M27.A1.12			Pollutant		
M27.A1.12.1				Inorganic materials	
M27.A1.12.2				Organic materials	
M27.A1.13			Quality indicator		pH, <i>A_w</i> etc
M27.A1.14			Microorganisms		
M27.A1.14.1				Sanitation	

Code of classification of item to be tested	Field	Classification of materials or products tested			
		Class (1)	Class (2)	Class (3)	Example
				index microorganism	
M27.A1.14.2				Food poisoning bacterium	
M27.A1.14.3				Fungi	
M27.A1.14.4				Virus	
M27.A1.15			Molecular biological test items		
M27.A1.15.1				Protein	
M27.A1.15.2				Nucleic acid	
M27.A2		Additives (Food, Feed)			Standard method for food yellow No.4
M27.A3		Appliance · Container packing · Toy			
M27.A4		Waters			
M27.A5		Salt			
M27.A6		Cigarette			
M27.A20		Drug · Pharmaceutical Ingredients · cosmetics			
M27.A20.1			Pharmaceutical Ingredient		
M27.A20.2			Preparation		
M27.A20.3			Additive		
M27.A20.4			Pharmaceutical water		
M27.A20.5			Crude drug		

2.5.2 Code of classification of technique used

Code of technical classification of test	Class(1)	Class(2)	Class(3)
B1	Standard method		
B2	Gravimetric method		
B3	Titration		
B4	Molecular absorption spectrometry		
B5	Volumetric analysis		
B6	Combustion method		

	(Dumas method, etc)		
B7	Calucuration (by difference, etc)		
B8	High performance liquid chromatography HPLC High performance liquid chromatography mass spectrometry HPLC/MS		
B9	Gas chromatography GC Gas chromatograph mass spectrometry GC/MS		
B10	Ion chromatography IC		
B11	Atomic absorption spectrometry		
B12	Inductively coupled plasma atomic emission spectrometry ICP/OES (ICP/AES) Inductively coupled plasma mass spectrometry ICP/MS		
B13	Bioassay		
B13.1		Bioassay using microbiology	
B13.2		Bioassay using animals and plants	
B14	Molecular biological testing		
B14.1		Immunological testing	
B14.2		Nucleic acid base method	
B15	Microbiological testing		
B15.1		Cultivation method	
B15.2		Non cultivation method	
B16	X-ray fluorescence method		
B17	Radioactivity/radiation testing		
B17.1		Radioactivity analysis	
B17.2		Radiation dose measurement	
B18	Nondestructive testing		
<p>Classification below B 21.0 is a classification code prepared in accordance with the Japanese Pharmacopoeia, and it applies to pharmaceuticals, quasi-drugs, cosmetics. However, those not in the Japanese Pharmacopoeia, above technical classification code for food can be used.</p>			
B21.0	Chemical Method		
B22.0	Chromatography		
B22.01		Liquid Chromatography	
B22.02		Gas Chromatography	
B22.03		Thin-layer Chromatography	
B22.2	Spectroscopic Methods		
B22.21		Nuclear Magnetic Resonance Spectroscopy	

B22.22		Fluorometry	
B22.23		Atomic Absorption Spectrophotometry	
B22.24		Ultraviolet-visible Spectrophotometry	
B22.25		Infrared Spectrophotometry	
B22.4	Other Physical Methods		
B22.41		Loss on Drying Test	
B22.44		Residue on Ignition Test	
B22.48		Water Determination (Karl Fischer Method)	
B22.50		Endpoint Detection Methods in Titrimetry	
B22.52		Thermal Analysis	
B22.58		X-Ray Powder Diffraction Method	
B22.63		Inductively coupled plasma atomic emission spectrometry and inductively coupled plasma (ICP) atomic emission spectrometry	
B24.0	Biological Tests/Biochemical Tests/Microbial Tests		
B24.01		Bacterial Endotoxins Test	
B24.02		Microbial Assay for Antibiotics	
B24.06		Sterility Test	
B26.0	Test for Preparations		
B26.02		Uniformity of Dosage Units	
B26.10		Dissolution Test	

2.6 Testing for Construction Materials (Code of classification : M28)

Appropriate the code of classification for extending accreditation

: To add the combination of “the Code of classification of materials or products tested (from A1 to A5) on 2.6.1” and “the code of classification of technique used of Class (1) and/or Class (2) on 2.6.2”, set up the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Practically, it is to list all the corresponding “code of classification of technique used” for one “code of classification of materials or products tested”.

2.6.1 Code of classification of materials or products tested

Code of classification of materials or products tested	Field	Classification of materials or products tested		
		Class(1)	Class(2)	Class(3)

M28	Testing for Construction Materials			
M28.A1		Windows and doorsets		
M28.A2		Panel, Board		
M28.A3		Sealants		
M28.A4		Woods		
M28.A5		Curtain wall		

2.6.2 Code of classification of technique used

Code of classification of technique used	Class(1)	Class(2)	Class(3)	Example
B1	Strength testing			Opening and closing forces testing, Repeated Opening and closing testing, Static torsion testing, Vertical load testing, Mechanical deformation testing of edge rail
B2	Hardness test			
B3	Impact testing			
B4	Shape · size · appearance test			
B5	Mass measurement			
B6	Electric testing			
B7	Durability testing			
B8	Stability testing			
B9	Surface finishing testing			
B10	Air permeability testing and watertightness testing under dynamic pressure			
B11	Fire protecting testing and fire resistance testing			
B12	Wind resistance testing			
B13	Measurements of sound insulation or sound absorption			
B14	Weather resistance testing			
B15	Measurement of basic physical property			
B16	Thermal resistance testing			
B17	Adhesion testing			
B18	Measurement of			

	contained material			
B19	Sampling and testing of indoor air			
B20	Thermal deformation testing			
B21	Vibration proof testing			

2.7 Test regarding the Fire Service Law (Code of classification : M29)

Appropriate the code of classification for extending accreditation

: To add the code of classification of Class (1) set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Code of classification	Field	Class(1)	Class(2)	Class(3)
M29	Test regarding the Fire Service Law			
M29.1		Fire extinguishers		
M29.2		Automatic sprinkler heads		
M29.3		Metallic escape ladders		
M29.4		Descending life-line		
M29.5		Fire alarm systems		
M29.6		Emergency alarm equipment		
M29.7		Indoor fire hydrants		

2.8 Ship test (Code of classification : M30)

Appropriate the code of classification for extending accreditation

: To add the code of classification of Class (1) and/or Class(2) set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Code of classification	Field	Class(1)	Class(2)	Class(3)
M30	Ship test			
M30.1		Test of Fire Test Procedures Code prescribed in SOLAS Convention Fire Test Procedures Code		
M30.1.1			Part 1 Non-combustibility test	
M30.1.2			Part 2 Smoke and Toxicity test	
M30.1.3			Part 3 Test for "A", "B" and "F" class divisions	
M30.1.4			Part 4 Test for fire door control systems	
M30.1.5			Part 5 Test for surface flammability (Test for	

			surface materials and primary deck coverings)	
M30.1.6			Part 7 Test for vertically supported textiles and films	
M30.1.7			Part 8 Test for upholstered furniture	
M30.1.8			Part 9 Test for bedding components	

2.9 Testing for Industrial Safety Devices (Code of classification : M31)

Appropriate the code of classification for extending accreditation

: To add the code of classification of Class (1) and/or Class(2) set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Code of classification	Field	Class(1)	Class(2)	Class(3)
M31	Testing for Industrial Safety Devices			
M31.1		Industrial Machines and Equipment		
M31.1.1			Electric Machines with Explosion-Proof Construction	
M31.1.2			Voltage reducing devices for AC arc welding machines	
M31.1.3			Other industrial machines and equipment	
M31.2		Protectors and Guards		
M31.2.1			Safety Shoes	
M31.2.2			Safety belts	
M31.2.3			Industrial safety helmets	
M31.2.4			Rubber gloves for electrical insulation	
M31.2.5			Protective clothing	

2.10 Biological Sciences Testing (Code of classification : M32)

Appropriate the code of classification for extending accreditation

: To add the combination of “the code of classification of materials or products tested of Class(1) on 2.10.1” and “the code of classification of technique used of Class(1) on 2.10.2”, set up the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Practically, it is to list all the corresponding “code of classification of technique used” for one “code of classification of materials or products tested”.

2.10.1 Code of classification of materials or products tested

Code of classification	Field	Class(1)	Class(2)	Class(3)	Example
M32	Biological Sciences Testing				
M32.A1		Human			
M32.A1.1			Blood		
M32.A1.2			Urine		
M32.A1.3			Feces		
M32.A1.4			Punctured fluid		
M32.A1.5			Secretion		
M32.A1.6			Tissue		
M32.A1.7			Cell		
M32.A1.8			Special (identification) materials		
M32.A2		Animal			
M32.A2.1			Blood		
M32.A2.2			Urine		
M32.A2.3			Feces		
M32.A2.4			Punctured fluid		
M32.A2.5			Secretion		
M32.A2.6			Tissue		
M32.A2.7			Cell		
M32.A2.8			Special (identification) materials		
M32.A3		Plant			
M32.A3.1			Plant tissue		
M32.A3.2			Seed		
M32.A3.3			Seagrass		
M32.A4		Chemical products			
M32.A4.1			Chemicals composition		
M32.A4.2			Products		
M32.A5		Environment			
M32.A5.1			Environment sample		Outdoor Workshop Residence
M32.A6		The others			
M32.A6.1			Molecular biologic sample		Preparation DNA extracted PCR product

2.10.2 Code of classification of technique used

Code of classification of technique used	Class(1)	Class(2)	Class(3)
B1	Immunologic technique		
B1.1		Marker reaction in solution	
B1.2		Precipitin reaction in gel	
B1.3		Hemagglutination	
B1.4		Hemolytic reaction test	
B1.5		Neutralization test	
B1.6		Fluorescent antibody test	
B1.7		Enzyme-labelled antibody test	
B1.8		Other Immunologic technique	
B2	Physical chemistry and Biochemistry technique		
B2.1		Chromatography	
B2.2		Ultra centrifuge method	
B2.3		Electrophoresis	
B2.4		Salting precipitation method	
B2.5		Electrochemistry analysis	
B2.6		Absorption spectrophotometry	
B2.7		Atomic emission spectrometry	
B2.8		Volumetric analysis	
B2.9		Other physical and biochemical analysis	
B2.10		Sensitivity test for anticancer agents	
B2.11		Radioactivity analysis	
B2.12		Radiation dose measurement	
B3	Hematologic technique		
B3.1		Blood cell count	
B3.2		Morphologic inspection	
B3.3		Fibrinogenolysis measurement	
B4	Microbiologic technique		
B4.1		Morphologic inspection	
B4.2		Culture test	
B4.3		Susceptibility test	
B4.4		Virus taxonomy	
B4.5		Antimicrobial concentration measurement	
B5	Pathological technique		
B5.1		Chromosome analysis	

Code of classification of technique used	Class(1)	Class(2)	Class(3)
B5.2		Histopathology • Cell staining	
B5.3		Electronmicroscopy • The others	
B6	Genetic technique		
B6.1		Biotechnology method	
B6.2		Polymerase chain reaction(PCR) • Realtime PCR	
B6.3		DNA sequencing	
B6.4		Other gene amplification methods and modification • genotype	

2.11 Ionizing Radiation Monitoring (Code of classification : M33)

Appropriate the code of classification for extending accreditation

: To add the code of classification of Class (2) and/or Class(3) of M33.1 and to add the code of classification of Class (2) of M33.2 set up on the follow table, for the first time, to an appendix of accreditation certificate by JAB.

Code of classification of technique used	Field	Class(1)	Class(2)	Class(3)	Class(4)
M33	Ionizing Radiation monitoring				
M33.1		Personal dose measurement			
M33 1.1			Whole body dosimeter		
M33 1.1.1				Photon Radiation	
M33 1.1.1.1					$H_p(10)$
M33 1.1.1.2					$H_p(0.07)$
M33 1.1.2				Beta radiation	
M33 1.1.2.1					$H_p(0.07)$
M33 1.1.3				Neutron	
M33 1.1.3.1					$H_p(10)$
M33.1.2			Extremity dosimeter		
M33.1.2.1				Photon radiation	
M33.1.2.1.1					$H_p(0.07)$
M33.1.2.2				beta radiation	
M33.1.2.2.1					$H_p(0.07)$
M33.2		Personal dose			

Code of classification of technique used	Field	Class(1)	Class(2)	Class(3)	Class(4)
		assessment			
M33.2.1			Uniform exposure to the body trunk		
M33.2.1.1				Effective dose	
M33.2.1.2				Equivalent dose (skin)	
M33.2.1.3				Equivalent dose (lens of the eye)	
M33.2.1.4				Equivalent dose (female abdomen)	
M33.2.2			Non-uniform exposure to the body trunk		
M33.2.2.1				Effective dose	
M33.2.2.2				Equivalent dose (skin)	
M33.2.2.3				Equivalent dose (lens of the eye)	
M33.2.2.4				Equivalent dose (female abdomen)	
M33.2.3			Uniform exposure to the body trunk and extremity exposure		
M33.2.3.1				Effective dose	
M33.2.3.2				Equivalent dose (skin)	
M33.2.3.3				Equivalent dose (lens of the eye)	
M33.2.3.4				Equivalent dose (female abdomen)	
M33.2.4			Non-uniform exposure to the body trunk and extremity exposure		
M33.2.4.1				Effective dose	
M33.2.4.2				Equivalent dose (skin)	

Code of classification of technique used	Field	Class(1)	Class(2)	Class(3)	Class(4)
M33.2.4.3				Equivalent dose (lens of the eye)	
M33.2.4.4				Equivalent dose (female abdomen)	

3. Scope of accreditation not to be described

When testing or calibration laboratories make an application without scope of accreditation of clause 2, for laboratory accreditation in accordance with ISO/IEC 17025, it will be able for JAB to set the new code of classification and then for laboratories to make an application. It means extending accreditation to add the new code of classification to an accreditation certificate.

Additional clause 1 omission

Annex II Drug · Pharmaceutical Ingredients · Cosmetics matrix

			M27.A20 Drug·Pharmaceutical Ingredients·Cosmetics				
			A20.1 Pharmaceu- tical Ingredient	A20.2 Preparation	A20.3 Additive	A20.4 Pharmace- utical water	A20.5 Crude drug
B21.0	Chemical Method ※1						
B22.0	Chromato- graphy	B22.01	Liquid Chromatography				
		B22.02	Gas Chromatography				
		B22.03	Thin-layer Chromatography				
B22.2	Spectroscop- ic method	B22.21	Nuclear Magnetic Resonance spectrometry				
		B22.22	Fluorometry				
		B22.23	Atomic Absorption Spectrophotometry				
		B22.24	Ultraviolet-visible Spectrophotometry				
		B22.25	Infrared Spectrophotometry				
B22.4	Other Physical Method	B22.41	Loss on Drying Test				
		B22.44	Residue on Ignition Test				
		B22.48	Water Determination (Karl Fischer Method)				
		B22.50	Endpoint Detection Methods in Titrimetry				
		B22.52	Thermal Analysis				
		B22.58	X-Ray Powder Diffraction Method				
		B22.63	Inductively coupled plasma atomic emission spectrometry and inductively coupled plasma (ICP) atomic emission spectrometry				
B24.0	Biological Tests/Bioc- hemical Tests/Mic- robial Tests	B24.01	Bacterial Endotoxins Test				
		B24.02	Microbial Assay for Antibiotics				
		B24.06	Sterility Test				
B26.0	Tests for Preparatio- ns	B26.02	Uniformity of Dosage Units				
		B26.10	Dissolution Test				
In the case of no appropriate codes exist in this table, please contact JAB before apply.							

※1 : will be segmented in future.

Complement: Classification of Annex II is a classification code prepared in accordance with the Japanese Pharmacopoeia, and it applies to pharmaceuticals, quasi-drugs,

cosmetics.

However, those not in the Japanese Pharmacopoeia, technical classification code for food of Annex I can be used.

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