

CERTIFICATE OF ACCREDITATION

Korea Testing Laboratory

Accreditation No. : KPTP-005

Corporation Registration No. : 254371-0012187

Address of Laboratory : 723, Haeon-ro, Sangnok-gu, Ansan-si, Gyeonggi-do,
Republic of Korea

Date of Initial Accreditation : May 17, 2012

Validity of Accreditation : June 9, 2020 ~ June 8, 2024

Scope of Accreditation : Attached Annex

Date of issue : December 29, 2023

This proficiency testing provider is accredited in accordance with the recognized International Standard ISO/IEC 17043 : 2010. This accreditation demonstrates technical competence for a defined scope and the operation of a proficiency testing provider quality management system (refer to Joint ISO-ILAC-IAF Communiqué).



CHIN CHONGWOOK

Head

Korea Laboratory Accreditation Scheme

Korea Laboratory Accreditation Scheme

No. KPTP005

cope : Calibration

01. Length and related quantities

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Linear dimension measuring instrument	Linear dimension	Calibration of linear dimension measuring instruments	
Angle measuring instrument	Angle	Calibration of angle measuring instrument	
Form measuring instrument	Form	Calibration of form measuring instrument	
Various dimensional measuring instrument	Various dimensional	Calibration of various dimensional measuring instrument	

02. Mass and related quantities

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Impact measuring instrument	Impact	Calibration of impact measuring instrument	
Hardness measuring instrument	Hardness	Calibration of hardness measuring instrument	
Volume measuring instrument	Volume	Calibration of volume measuring instrument	
Pressure measuring instrument	Pressure	Calibration of pressure measuring instrument	
Torque measuring instrument	Torque	Calibration of torque measuring instrument	
Force measuring instrument	Force	Calibration of force measuring instrument	
Mass measuring instrument	Mass	Calibration of mass measuring instrument	

Korea Laboratory Accreditation Scheme

No. KPTP005

03. Time/frequency

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Time/Frequency measuring instrument	Time/Frequency	Calibration of Time/Frequency measuring instrument	

04. Electricith & magnetism

item/matrix	characteristic(s) / measurand(s)	scheme	notes
DC voltage & current measuring instrument	DC voltage & current	Calibration of DC voltage & current measuring instrument	
Resistance, Capacitance and Inductance measuring instrument	Resistance, Capacitance and Inductance	Calibration of Resistance, Capacitance and Inductance measuring instrument	
AC voltage, current & power measuring instrument	AC voltage, current & power	Calibration of AC voltage, current & power measuring instrument	
Other DC & LF measurement measuring instrument	Other DC & LF measurement	Calibration of Other DC & LF measurement measuring instrument	
Radio frequency measurements measuring instrument	Radio frequency measurements	Calibration of Radio frequency measurements measuring instrument	

Korea Laboratory Accreditation Scheme

No. KPTP005

05. Temperature & humidity

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Humidity measuring instrument	Humidity	Calibration of humidity measuring instrument	
Non contact thermometry measuring instrument	Non contact thermometry	Calibration of non contact thermometry measuring instrument	
Contact thermometry measuring instrument	Contact thermometry	Calibration of contact thermometry measuring instrument	

06. Sound & vibration

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Vibration measuring instrument	Vibration	Calibration of vibration measuring instrument	

07. Photometry & radiometry

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Photometry measuring instrument	Photometry	Calibration of photometry measuring instrument	

09. Amount of substance

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Chemical analysis measuring instrument	Chemical analysis	Calibration of chemical analysis measuring instrument	

Korea Laboratory Accreditation Scheme

No. KPTP005

Scope : Testing

03. Electrical Testing

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Electrical machinery for households	Space distance	Space distance test of electrical machinery for households	
	Leakage current	Leakage current test of electrical machinery for households	
	Motor capacitor resonance voltage	Motor capacitor resonance voltage test of electrical machinery for households	
	Performance test	Performance test test of electrical machinery for households	
	Power consumption	Power consumption test of electrical machinery for households	
	Creepage distance	Creepage distance test of electrical machinery for households	
	Temperature rise	Temperature rise test of electrical machinery for households	
	Input currentperformance test	Input currentperformance test test of electrical machinery for households	
	Current measurement	Current measurement test of electrical machinery for households	
	Power input	Power input test of electrical machinery for households	
	Power plug discharge	Power plug discharge test of electrical machinery for households	
	Ground continuity	Ground continuity test of electrical machinery for households	
	Rated input	Rated input test of electrical machinery for households	

Korea Laboratory Accreditation Scheme

No. KPTP005

Scope : Testing

03. Electrical Testing

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Measuring instruments	Leakage current	Leakage current test of measuring instruments	
	Error allowance tolerance	Error allowance tolerance test of measuring instruments	
	Temperature rise	Temperature rise test of measuring instruments	
	Ground continuity	Ground continuity test of measuring instruments	
	Rated input	Rated input test of measuring instruments	
Military equipment	Transient emission	Transient emission test of military equipment	
	Immunity	Immunity test of military equipment	
	Radiated emission	Radiated emission test of military equipment	
	Magnetic field emission	Magnetic field emission test of military equipment	
	Conducted emission	Conducted emission test of military equipment	

Korea Laboratory Accreditation Scheme

No. KPTP005

Scope : Testing

03. Electrical Testing

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Electrical machinery for industries	Temperature rise	Temperature rise test of electrical machinery for industries	
	Residual voltage	Residual voltage test of electrical machinery for industries	
	Resistance	Resistance test of electrical machinery for industries	
	Voltage	Voltage test of electrical machinery for industries	
	Insulation resistance	Insulation resistance test of electrical machinery for industries	
	Ground continuity	Ground continuity test of electrical machinery for industries	
	Rated input	Rated input test of electrical machinery for industries	
	Efficiency	Efficiency test of electrical machinery for industries	
Energy-saving products	Standby power	Standby power test of energy-saving products	
	Operation efficiency	Operation efficiency test of energy-saving products	
	Load loss	Load loss test of energy-saving products	
	Performance	Performance test of energy-saving products	
	Power consumption	Power consumption test of energy-saving products	

Korea Laboratory Accreditation Scheme

No. KPTP005

Scope : Testing

03. Electrical Testing

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Wired/wireless communication devices	Radiation output	Radiation output test of wired/wireless communication devices	
	Interoperability	Interoperability test of wired/wireless communication devices	
	Specific absorption rate	Specific absorption rate test of wired/wireless communication devices	
	Total Isotropic sensitivity	Total isotropic sensitivity test of wired/wireless communication devices	
	Total radiated power	Total radiated power test of wired/wireless communication devices	
General commercial equipment and special equipment	Environment and reliability	Environment and reliability test of general commercial equipment and special equipment	Temperature, humidity, vibration, exposure
Commercial equipment	Transient emission	Transient emission test of commercial equipment	
	Immunity	Immunity test of commercial equipment	
	Radiated emission	Radiated emission test of commercial equipment	
	Magnetic field emission	Magnetic field emission test of commercial equipment	
	Conducted emission	Conducted emission test of commercial equipment	

Korea Laboratory Accreditation Scheme

No. KPTP005

Scope : Testing

03. Electrical Testing

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Car related products	Transient emission	Transient emission test of car related products	
	Immunity	Immunity test of car related products	
	Radiated emission	Radiated emission test of car related products	
	Magnetic field emission	Magnetic field emission test of car related products	
	Conducted emission	Conducted emission test of car related products	
Electric cords, cables and circuits	Electrical resistance	Electrical resistance test of electric cords, cables and circuits	
Battery	Internal resistance	Internal resistance test of battery	
	Discharge performance	Discharge performance test of Battery	
	Rated capacity	Rated capacity test of battery	

Korea Laboratory Accreditation Scheme

No. KPTP005

Scope : Testing

03. Electrical Testing

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Information technology equipment	Transient emission	Transient emission test of information technology equipment	
	Immunity	Immunity test of information technology equipment	
	Radiated emission	Radiated emission test of information technology equipment	
	Magnetic field emission	Magnetic field emission test of information technology equipment	
	Conducted emission	Conducted emission test of information technology equipment	
Lighting devices	Light efficiency	Light efficiency test of lighting devices	
	All luminous flux	All luminous flux test of lighting devices	

06. Sound and Vibration Testing

item/matrix	characteristic(s) / measurand(s)	scheme	notes
Sound generation related products	Sound power level	Sound power level test of sound generation related products	
General commercial equipment and special equipment	Resonant frequency	Resonant frequency test of general commercial equipment and special equipment	

End.