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Registration No. CNAS L1423

Accreditation Criteria: ISO/IEC 17025 and relevant requirements of CNAS

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SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
Chemical, Analytical Instruments					
1	Visible spectrophotometer	1	Wavelength accuracy and repeatability	Visible spectrophotometer GB/T26810-2011 5.2	
		2	Transmittance accuracy and repeatability	Visible spectrophotometer GB/T26810-2011 5.3	
		3	Atray light	Visible spectrophotometer GB/T26810-2011 5.4	
		4	Wavelength edge noise	Visible spectrophotometer GB/T26810-2011 5.5	
		5	Baseline straightness	Visible spectrophotometer GB/T26810-2011 5.6	
		6	Baseline dark noise	Visible spectrophotometer GB/T26810-2011 5.7	
		7	Spectral bandwidth	Visible spectrophotometer GB/T26810-2011 5.8	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		8	Drift	Visible spectrophotometer GB/T26810-2011 5.9	
		9	Power supply voltage change caused by transmittance changes	Visible spectrophotometer GB/T26810-2011 5.1	
		10	Pick-up current	Safety requirements for electrical equipment for measurement, control, and laboratory use---Part 1: General requirements GB 4793.1-2007 6.3	
		11	Protective earthing	Safety requirements for electrical equipment for measurement, control, and laboratory use---Part 1: General requirements GB 4793.1-2007 6.5.1	
		12	Dielectric strength	Visible spectrophotometer GB/T26810-2011 5.11.3	
2	Ultraviolet-visible spectrophotometer	1	Wavelength accuracy and repeatability	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.2	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.2	
		2	Transmittance accuracy and repeatability	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.4	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.4	
		3	Stray light	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.5	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.5	
		4	Wavelength edge noise	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.6	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.10	
		5	Baseline straightness	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.8	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.7	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		6	Baseline dark noise	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.9	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.8	
		7	Spectral bandwidth	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.3	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.3	
		8	Drift	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.10	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.9	
		9	Power supply voltage change caused by transmittance changes	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.7	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.6	
		10	Pick-up current	Safety requirements for electrical equipment for measurement, control, and laboratory use---Part 1: General requirements GB 4793.1-2007 6.3	
				Safety requirements for electrical equipment for measurement, control, and laboratory use---Part 1: General requirements GB 4793.1-2007 6.3	
		11	Protective earthing	Safety requirements for electrical equipment for measurement, control, and laboratory use---Part 1: General requirements GB 4793.1-2007 6.5.1	
				Safety requirements for electrical equipment for measurement, control, and laboratory use---Part 1: General requirements GB 4793.1-2007 6.5.1	
		12	Dielectric strength	Single beam UV/VIS spectrophotometer GB/T26798-2011 5.11.3	
				Double beam UV/VIS spectrophotometer GB/T26813-2011 5.11.3	
3	Infrared spectrophotometer	1	Wavelength accuracy and repeatability	Fu Liye transform infrared spectrometer GB/T 21186-2007 4.7, 4.8	An instrument that can only be



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		№	Item/ Parameter		
					measured with a resolution of less than 0.5 wave numbers
		2	Transmittance accuracy and repeatability	Fu Liye transform infrared spectrometer GB/T 21186-2017 4.5	
		3	Background spectral energy distribution	Fu Liye transform infrared spectrometer GB/T 21186-2017 4.2	
		4	Resolving power	Fu Liye transform infrared spectrometer GB/T 21186-2017 4.6	Can be used only for instruments with a resolution of less than 0.5 wave numbers
		5	Noise	Fu Liye transform infrared spectrometer GB/T 21186-2017 4.4	
4	Mercury analyzers	1	Insulation resistance	Technical conditions of mercury analyzers JB 5228-1991 4.4.1	
		2	Dielectric strength	Technical conditions of mercury analyzers JB 5228-1991 4.4.2	
		3	Leakage current	Technical conditions of mercury analyzers JB 5228-1991 4.4.3	
		4	Linearity error	Technical conditions of mercury analyzers JB 5228-1991 4.8	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		5	Limit of detection	Technical conditions of mercury analyzers JB 5228-1991 4.7	
		6	Repeatability	Technical conditions of mercury analyzers JB 5228-1991 4.9	
5	Atomic absorption spectrophotometer	1	Wavelength accuracy and repeatability	Atomic absorption spectrophotometer GB/T21187-2007 4.2	
		2	Resolution ratio	Atomic absorption spectrophotometer GB/T21187-2007 4.3	
		3	Baseline Stability	Atomic absorption spectrophotometer GB/T21187-2007 4.4	
		4	Sensitivity	Atomic absorption spectrophotometer GB/T21187-2007 4.5	
		5	Detection limit	Atomic absorption spectrophotometer GB/T21187-2007 4.6	
		6	Repeatability	Atomic absorption spectrophotometer GB/T21187-2007 4.7	
		7	Absorbance error	Atomic absorption spectrophotometer GB/T21187-2007 4.8	
		8	Edge wavelength noise	Atomic absorption spectrophotometer GB/T21187-2007 4.9	
		9	Background correction ability	Atomic absorption spectrophotometer GB/T21187-2007 4.10	
		10	Slit shift position error	Atomic absorption spectrophotometer GB/T21187-2007 4.11	
		11	Insulation resistance	Atomic absorption spectrophotometer GB/T21187-2007 4.13.1.1	
		12	Dielectric strength	Atomic absorption spectrophotometer GB/T21187-2007 4.13.1.2	
		13	Leakage current	Atomic absorption spectrophotometer GB/T21187-2007 4.13.1.3	
	Inductively Coupled Plasma	1	Wavelength accuracy and repeatability	Emission Spectrometry JJG768-2005 6.3.3.1	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	Optical Emission Spectrometry	2	Detection limit	Emission Spectrometry JJG768-2005 6.3.3.3	
		3	Repeatability	Emission Spectrometry JJG768-2005 6.3.3.4	
		4	Stability	Emission Spectrometry JJG768-2005 6.3.3.5	
		5	The minimum spectral bandwidth	Emission Spectrometry JJG768-2005 6.3.3.2	
		6	Insulation resistance	Emission Spectrometry JJG768-2005 6.3.2.1	
7	Atomic fluorescence Spectrometer	1	Baseline stability	Atomic fluorescence spectrometer GB/T21191-2007 5.2	
		2	Detection limit	Atomic fluorescence spectrometer GB/T21191-2007 5.3	
		3	Repeatability	Atomic fluorescence spectrometer GB/T21191-2007 5.4	
		4	The linearity of the calibrated curve	Atomic fluorescence spectrometer GB/T21191-2007 5.5	
		5	Interchannel interference	Atomic fluorescence spectrometer GB/T21191-2007 5.6	
		6	Insulation resistance	Atomic fluorescence spectrometer GB/T21191-2007 5.8.1.1	
8	Oil content in water analyzer	1	Indication error	Analyzers for oil content in water analyzer JJG950-2012 A: 5.3.2.1 B: 5.3.3.2	
		2	Repeatability	Analyzers for oil content in water analyzer JJG950-2012 A: 5.3.2.2 B: 5.3.3.2	
		3	Drift	Analyzers for oil content in water analyzer JJG950-2012 A: 5.3.2.3 B: 5.3.3.3	
		4	Minimum detection concentration	Analyzers for oil content in water analyzer JJG950-2012 A: 5.3.2.4 B: 5.3.3.4	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		5	The influence of the power supply voltage	Analyzers for oil content in water analyzer JJG950-2012 A: 5.3.2.5 B: 5.3.3.5	
		6	Insulation resistance	Analyzers for oil content in water analyzer JJG950-2012 5.3.1.2	
9	Laboratory pH meter	1	Electronic unit basic error	Laboratory pH meters GB/T11165-2005 5.5	
		2	The basic error of the instrument	Laboratory pH meters GB/T11165-2005 5.6	
		3	Electronic unit input current test	Laboratory pH meters GB/T11165-2005 5.7	
		4	Electronic unit temperature compensator is error	Laboratory pH meters GB/T11165-2005 5.9	
		5	Repeatability	Laboratory pH meters GB/T11165-2005 5.11	
		6	The electronic unit stability	Laboratory pH meters GB/T11165-2005 5.12	
		7	The influence of supply voltage change on the electronic unit	Laboratory pH meters GB/T11165-2005 5.13	
		8	The influence of environment temperature change on the electronic unit	Laboratory pH meters GB/T11165-2005 5.14	
		9	Insulation resistance	Laboratory pH meters GB/T11165-2005 5.15.1	
		10	Dielectric strength	Laboratory pH meters GB/T11165-2005 5.15.2	
10	Laboratory gas chromatographs	1	Ground Leakage Current	Gas chromatograph GB/T30431-2013 5.3.1	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		2	Dielectrical strength	Gas chromatograph GB/T30431-2013 5.3.2	
		3	Protective grounding	Safety requirements for electrical equipment for measurement, control, and laboratory use---Part 1: General requirements GB4793.1-2007 6.5.1.3	
		4	Pneumatic sealing system	Gas chromatograph GB/T30431-2013 5.4	
		5	Temperature programmed repeatability	Gas chromatograph GB/T30431-2013 5.5.4	
		6	Limit of detection	Gas chromatograph GB/T30431-2013 5.6.3.1、5.6.4.1、5.6.5.1、5.6.6.1	
		7	Sensitivity	Gas chromatograph GB/T30431-2013 5.6.2.1	
		8	Noise	Gas chromatograph GB/T30431-2013 5.6.2.2、5.6.3.2、5.6.4.2、5.6.5.2、5.6.6.2	
		9	Drift	Gas chromatograph GB/T30431-2013 5.6.2.2、5.6.3.2、5.6.4.2、5.6.5.2、5.6.6.2	
		10	Linearity range	Gas chromatograph GB/T30431-2013 4.5	
		11	Quantitative repetitive	Gas chromatograph GB/T30431-2013 5.10	
		12	Qualitative repetitive	Gas chromatograph GB/T30431-2013 5.9	
11	Liquid chromatographs	1	Leakproofness	HPLC(high performance liquid chromatograph GB/T 26792-2011 4.3.1	
		2	Flow output error and stability	HPLC(high performance liquid chromatograph GB/T 26792-2011 4.3.2	
		3	Temperature gradient error	HPLC(high performance liquid chromatograph GB/T 26792-2011 4.3.3	
		4	The temperature set point error	HPLC(high performance liquid chromatograph GB/T 26792-2011 4.4.1	





№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		5	Stability of temperature control	HPLC(high performance liquid chromatograph GB/T 26792-2011 4.4.1	
		6	Detector	HPLC(high performance liquid chromatograph GB/T 26792-2011 4.5	
		7	Quantitative repetitive	HPLC(high performance liquid chromatograph GB/T 26792-2011 4.6.1	
		8	Qualitative repetitive	HPLC(high performance liquid chromatograph GB/T 26792-2011 4.6.1	
12	Ion chromatographs	1	Infusion system	Ion chromatographs JJG823-2014 5.2.2.2	
		2	Temperature setting error and temperature control stability of cylindrical box	Ion chromatographs JJG823-2014 5.2.2.3	
		3	Baseline noise and baseline drift	Ion chromatographs JJG823-2014 5.2.2.4	
		4	Conductivity detector	Ion chromatographs JJG823-2014 5.2.2.5	
		5	UV visible detector	Ion chromatographs JJG823-2014 5.2.2.6	
		6	Electrochemical detector	Ion chromatographs JJG823-2014 5.2.2.7	
		7	Overall performance	Ion chromatographs JJG823-2014 5.2.2.8	
13	Semiautomatic Biochemistry Analyzer	1	Wavelength accuracy and repeatability	Semiautomatic Biochemistry Analyzer YY/T0014-2005 5.2	
		2	Stray light	Semiautomatic Biochemistry Analyzer YY/T0014-2005 5.3	
		3	Linearity error	Semiautomatic Biochemistry Analyzer YY/T0014-2005 5.4	
		4	Intra - batch precision	Semiautomatic Biochemistry Analyzer YY/T0014-2005 5.9	

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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
			of clinical project		
		5	Repeatability	Semiautomatic Biochemistry Analyzer YY/T0014-2005 5.5	
		6	Stability	Semiautomatic Biochemistry Analyzer YY/T0014-2005 5.6	
		7	The constant temperature of absorption pool	Semiautomatic Biochemistry Analyzer YY/T0014-2005 5.7	
		8	Cross contamination	Semiautomatic Biochemistry Analyzer YY/T0014-2005 5.8	
		9	security	Safety requirements for electrical equipment for measurement,control,and laboratory use---Part 1:General requirements GB4793.1-2007 6.3、6.5.1、6.8	
14	Urine analyzer	1	Repeatability	General technical requirements for urine analyzer YY/T0475-2004 4.4	
		2	The accuracy of the analyzer and random urine dipsticks adaptation	General technical requirements for urine analyzer YY/T0475-2004 4.5	
		3	Stability	General technical requirements for urine analyzer YY/T0475-2004 4.6	
15	Chemical oxygen demand meters	1	Repeatability	Measuring instrument of Chemical Oxygen Demand(COD) GB/T 32208-2015 6.3.8	
		2	Zero wander	Measuring instrument of Chemical Oxygen Demand(COD) GB/T 32208-2015 6.3.5	
		3	Span Drift	Measuring instrument of Chemical Oxygen Demand(COD) GB/T 32208-2015 6.3.6	
		4	Temperature indication error and temperature field uniformity	Measuring instrument of Chemical Oxygen Demand(COD) GB/T 32208-2015 6.3.2	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		5	Dissolving time indication error	Measuring instrument of Chemical Oxygen Demand(COD) GB/T 32208-2015 6.3.3	
		6	Indication error	Measuring instrument of Chemical Oxygen Demand(COD) GB/T 32208-2015 6.3.4	
		7	Stability	Measuring instrument of Chemical Oxygen Demand(COD) GB/T 32208-2015 6.3.7	
16	Flue gas analyzers	1	Airtightness	Technical conditions of sampler for stack gas HJ/T47-1999 6.3.9	
		2	Alarm error	Technical conditions of sampler for stack gas HJ/T47-1999 6.3.8	
17	Sulfur hydrogen gas detector	1	Detection error	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.4.3	
		2	Alarm error	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.5.3	
		3	Repeatability	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.6.3	
		4	Response Time	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.9.3	
		5	Long-term stability	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.12.3	
		6	Full range scale	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.10.3	
		7	High speed air flow	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.11.3	
		8	Insulated resistance	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.13.3	
		9	Radiated electromagnetic field disturbance	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.15.3	
		10	Electrostatic discharge	Gas monitors and alarms for workplace-General technical requirements GB	



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		№	Item/ Parameter		
			e	12358-2006 6.16.3	
		11	EFT	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.17.3	
		12	High temperature	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.18.3	
		13	Low temperature	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.19.3	
		14	Steady damp-heat	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.20.3	
		15	Vibration	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.21.3	
		16	Fall Test	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.22.3	
18	Sulfur dioxide gas detector	1	Linear error	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.3	
		2	repeatability error	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.4	
		3	Drift of point	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.5	
		4	Span shift	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.5	
		5	Mushing error	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.8	
		6	The power supply voltage error	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.9	
		7	Operating error	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.11	
		8	Insulation resistance	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.12	



№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
19	The alarm detectors of combustible gas	9	Dielectric strength	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.13	
		10	Leakage current	Technical conditions of sulfur dioxide gas analyzer JB/T 6240-1992 4.3.14	
		1	Detection error	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.4.3	
		2	Alarm error	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.5.3	
		3	Repeatability	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.6.3	
		4	Responsive time	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.9.3	
		5	Long-term stability	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.12.3	
		6	Full range scale	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.10.3	
		7	High speed air flow	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.11.3	
		8	Insulated resistance	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.13.3	
		9	Radiated electromagnetic field disturbance	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.15.3	
		10	Electrostatic discharge	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.16.3	
		11	EFT	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.17.3	
		12	High temperature	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.18.3	
		13	Low temperature	Gas monitors and alarms for workplace-General technical requirements GB	

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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				12358-2006 6.19.3	
		14	Steady damp-heat	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.20.3	
		15	Vibration	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.21.3	
		16	Fall Test	Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.22.3	
20	Carbon monoxide and carbon dioxide infrared analyzer	1	Pneumatic sealing	Test method of infrared gas analyzers GB/T 25930-2010 4.4	
		2	Linear error	Test method of infrared gas analyzers GB/T 25930-2010 4.5	
		3	Drift of point	Test method of infrared gas analyzers GB/T 25930-2010 4.6	
		4	Span drift	Test method of infrared gas analyzers GB/T 25930-2010 4.6	
		5	Repeatability	Test method of infrared gas analyzers GB/T 25930-2010 4.8	
		6	The influence of environmental temperature change on the indicator	Test method of infrared gas analyzers GB/T 25930-2010 4.10	
		7	Influence of change of atmospheric pressure on indicator value	Test method of infrared gas analyzers GB/T 25930-2010 4.11	
		8	The influence of the power supply voltage change	Test method of infrared gas analyzers GB/T 25930-2010 4.12	
		9	Influence of frequency change of power supply	Test method of infrared gas analyzers GB/T 25930-2010 4.13	





№	Test Object	Item/Parameter		Standard or Method	Note
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		10	The influence of the position tilt of the instrument on the output signal	Test method of infrared gas analyzers GB/T 25930-2010 4.14	
		11	Interference error	Test method of infrared gas analyzers GB/T 25930-2010 4.15	
21	Oxygen bomb calorimete	1	Accuracy of heat capacity calibration and	Guide for performance acceptance of oxygen bomb calorimeter GB/T 31423-2015 5.4.3	
		2	Effective working range of heat capacity	Guide for performance acceptance of oxygen bomb calorimeter GB/T 31423-2015 5.4.4	
		3	Accuracy of calorific value measurement	Guide for performance acceptance of oxygen bomb calorimeter GB/T 31423-2015 5.4.5	
22	Gasoline motor vehicle emission analyzer	1	Zero drift	Motor vehicle safety testing equipment Technical requirements of verification---Part 3: Technical requirements of verification for gasoline motor vehicle emission analyzer GB/T11798.3-2001 5.5	
		2	Span drift	Motor vehicle safety testing equipment Technical requirements of verification---Part 3: Technical requirements of verification for gasoline motor vehicle emission analyzer GB/T11798.3-2001 5.5	
		3	Indication error	Motor vehicle safety testing equipment Technical requirements of verification---Part 3: Technical requirements of verification for gasoline motor vehicle emission analyzer GB/T11798.3-2001 5.6	
		4	Repeatability error	Motor vehicle safety testing equipment Technical requirements of verification---Part 3: Technical requirements of verification for gasoline motor vehicle emission analyzer GB/T11798.3-2001 5.7	
23	Measuring apparatus for dust content in	1	Gas tightness	Technical conditions of sampler for stack dust HJ/T48-1999 9.3.2	
		2	Insulation resistance	Technical conditions of sampler for stack dust HJ/T48-1999 9.3.3	



№	Test Object	Item/Parameter		Standard or Method	Note
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	stack	3	Timing error	Technical conditions of sampler for stack dust HJ/T48-1999 9.3.4	
		4	No-load flow error	Technical conditions of sampler for stack dust HJ/T48-1999 9.3.6.1	
		5	The error of load flow	Technical conditions of sampler for stack dust HJ/T48-1999 9.3.6.2	
		6	The flow measurement device	Technical conditions of sampler for stack dust HJ/T48-1999 9.3.8	
		7	Constant speed tracking response time	Technical conditions of sampler for stack dust HJ/T48-1999 9.3.9	
		8	Constant attract error	Technical conditions of sampler for stack dust HJ/T48-1999 9.3.10	
24	ELISA analytical instruments	1	Stability of display	ELISA Analytical Instruments JJG861-2007 5.3.2	
		2	Wavelength error value	ELISA Analytical Instruments JJG861-2007 5.3.3	
		3	Wavelength repeatability	ELISA Analytical Instruments JJG861-2007 5.3.3	
		4	Absorbance error value	ELISA Analytical Instruments JJG861-2007 5.3.4	
		5	Absorbance repetitive	ELISA Analytical Instruments JJG861-2007 5.3.5	
		6	Sensitivity	ELISA Analytical Instruments JJG861-2007 5.3.6	
		7	Channel difference	ELISA Analytical Instruments JJG861-2007 5.3.7	
25	Whiteness meter	1	Indication error	Whiteness meter JJG512-2002 5.2	
		2	Repeatability	Whiteness meter JJG512-2002 5.2	



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		3	Stability	Whiteness meter JJG512-2002 5.2	
26	Total organic carbon analyzer	1	Repeatability error	The technical requirement for water quality automatic analyzer of total organic carbon HJ/T104-2003 9.4.1	
		2	Zero drift	The technical requirement for water quality automatic analyzer of total organic carbon HJ/T104-2003 9.4.2	
		3	Span drift	The technical requirement for water quality automatic analyzer of total organic carbon HJ/T104-2003 9.4.3	
		4	Linearity	The technical requirement for water quality automatic analyzer of total organic carbon HJ/T104-2003 9.4.4	
		5	Response time	The technical requirement for water quality automatic analyzer of total organic carbon HJ/T104-2003 9.4.5	
		6	Actual water samples comparison test	The technical requirement for water quality automatic analyzer of total organic carbon HJ/T104-2003 9.4.7	
		7	Stability relative to voltage fluctuation	The technical requirement for water quality automatic analyzer of total organic carbon HJ/T104-2003 9.4.8	
27	Electrochemical electrode gas oxygen analyzer of coal mine	1	Intrinsic error	Electrochemical electrode gas oxygen sensor of coal mine MT447-1995 4.3	
		2	Load Characteristic	Electrochemical electrode gas oxygen sensor of coal mine MT447-1995 4.4	
		3	Stability Determination	Electrochemical electrode gas oxygen sensor of coal mine MT447-1995 4.5	
		4	Responsive time	Electrochemical electrode gas oxygen sensor of coal mine MT447-1995 4.6	
		5	Warning function	Electrochemical electrode gas oxygen sensor of coal mine MT447-1995 4.7	
28	Automatic Potentiometric Titrator	1	Error in indicating value of electric meter	Automatic Potentiometric Titration JJG814-2015 5.2.2.3	
		2	Repeatability of electric meter	Automatic Potentiometric Titration JJG814-2015 5.2.2.4	



№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		3	Electrometer input impedance	Automatic Potentiometric Titration JJG814-2015 5.2.2.5	
		4	Input current of electric meter	Automatic Potentiometric Titration JJG814-2015 5.2.2.6	
		5	Instrument indication error	Automatic Potentiometric Titration JJG814-2015 5.2.2.8	
		6	Repeatability of instrument indication	Automatic Potentiometric Titration JJG814-2015 5.2.2.8	
		7	Burette volume error	Automatic Potentiometric Titration JJG814-2015 5.2.2.7	
29	Turbid meter	1	Repeatability error	The technical requirement for water quality automatic analyzer of turbidity HJ/T98-2003 8.3.1	
		2	Zero drift	The technical requirement for water quality automatic analyzer of turbidity HJ/T98-2003 8.3.2	
		3	Span drift	The technical requirement for water quality automatic analyzer of turbidity HJ/T98-2003 8.3.3	
		4	Linearity error	The technical requirement for water quality automatic analyzer of turbidity HJ/T98-2003 8.3.4	
		5	Actual water samples comparison test	The technical requirement for water quality automatic analyzer of turbidity HJ/T98-2003 8.3.6	
		6	Stability relative to voltage fluctuation	The technical requirement for water quality automatic analyzer of turbidity HJ/T98-2003 8.3.7	
		7	Insulation resistance	The technical requirement for water quality automatic analyzer of turbidity HJ/T98-2003 8.3.8	
30	Filter type smoke meter	1	Zero drift	Motor vehicle safety testing equipment Technical requirements of verification---Part 5: Technical requirements of verification for filter type smokemeter GB/T11798.5-2001 4.5	
		2	Indication error	Motor vehicle safety testing equipment Technical requirements of verification---Part 5: Technical requirements of verification for filter type smokemeter GB/T11798.5-2001 4.6	



№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		3	Repeatability error	Motor vehicle safety testing equipment Technical requirements of verification---Part 5: Technical requirements of verification for filter type smokemeter GB/T11798.5-2001 4.7	
		4	Pumping Time	Motor vehicle safety testing equipment Technical requirements of verification---Part 5: Technical requirements of verification for filter type smokemeter GB/T11798.5-2001 4.8.2	
		5	Swept volume	Motor vehicle safety testing equipment Technical requirements of verification---Part 5: Technical requirements of verification for filter type smokemeter GB/T11798.5-2001 4.8.1	
31	Specification of flame photometer	1	Minimum detectable quantity	Specification of flame photometer JB/T10058-2000 4.6	
		2	Stability	Specification of flame photometer JB/T10058-2000 4.7	
		3	Repeatability	Specification of flame photometer JB/T10058-2000 3.8	
		4	Linearity error	Specification of flame photometer JB/T10058-2000 4.9	
		5	The mutual interference between the measuring elements	Specification of flame photometer JB/T10058-2000 4.10	
		6	Responsive time	Specification of flame photometer JB/T10058-2000 4.11	
		7	Insulation resistance	Specification of flame photometer JB/T10058-2000 4.3	
		8	Dielectric strength	Specification of flame photometer JB/T10058-2000 4.4	
		9	Leakage current	Specification of flame photometer JB/T10058-2000 4.5	
32	Electric conductivity	1	Inherent error	Laboratory conductivity meter Test method of electric conductivity analyzers GB/T11007-2008 5.4.3	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	analyzers	2	Repeatability	Laboratory conductivity meter Test method of electric conductivity analyzers GB/T11007-2008 5.4.4	
		3	Stability	Laboratory conductivity meter Test method of electric conductivity analyzers GB/T11007-2008 5.4.7	
		4	Influence deviation	Laboratory conductivity meter Test method of electric conductivity analyzers GB/T11007-2008 5.4.8	
		5	Operating error	Laboratory conductivity meter Test method of electric conductivity analyzers GB/T11007-2008 5.4.9.2	
		6	Insulation resistance	Laboratory conductivity meter Test method of electric conductivity analyzers GB/T11007-2008 5.5.1	
		7	Dielectric strength	Laboratory conductivity meter Test method of electric conductivity analyzers GB/T11007-2008 5.5.2	
		8	Leakage current	Laboratory conductivity meter Test method of electric conductivity analyzers GB/T11007-2008 5.5.3	
33	Analytical instruments	1	Dielectric strength	General Specification of Analytical Instruments GB/T12519-2010 6.6.2.3.2	Only:(1~2000)MΩ
		2	Contact current	Safety requirements for electrical equipment for measurement,control,and laboratory use---Part 1:General requirements GB/T12519-2010 6.3	Only:(0~10)mA
		3	Protective grounding	Safety requirements for electrical equipment for measurement,control,and laboratory use---Part 1:General requirements GB/T12519-2010 6.5.1	Only:(0~600)MΩ
		4	Line frequency and voltage	Method of environmental test GB/T11606-2007 3.3	Only:(154~275)V (40~64)Hz
		5	Cold	Method of environmental test GB/T11606-2007 4.4	Only:≥-65℃
		6	High temperature	Method of environmental test GB/T11606-2007 5.4	Only:≤+85℃
		7	Change of	Method of environmental test GB/T11606-2007 6.4	Only: (-



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
			temperature		65~+85) °C
		8	Damp heat, steady state	Method of environmental test GB/T11606-2007 7.4	Only: (+20~+85) °C (20~95) %RH
		9	Damp heat, cyclic	Method of environmental test GB/T11606-2007 8.4	Only: (+20~+85) °C (20~95) %RH
		10	Vibration	Method of environmental test GB/T11606-2007 9.4	Only: (5~3000)Hz ≤1000m/s <sup>2</sup> ≤1.8m/s ≤51mm ≤500kg
		11	Magnetic field	Method of environmental test GB/T11606-2007 10.3	Only: (0~400)A/m
		12	Sand and dust content of the air	Method of environmental test GB/T11606-2007 12.3	Only: ≤2kg/m <sup>3</sup>
		13	Mould growth	Method of environmental test GB/T11606-2007 13.3	Only: culture Aspergillus niger、Aspergillus、Aureobaci



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
					dium pullulans 、 Ochre Penicillium 、 scopulario psis brevicaulis 、 Trichoderma viride。
		14	Salt mist	Method of environmental test GB/T11606-2007 14.3	Only: (35~50) °C、 (1.0~2.0) mL/(h·80cm <sup>2</sup> )
		15	Cole storage	Method of environmental test GB/T11606-2007 15.4	Only for ≥-65°C
		16	High-temperature storage	Method of environmental test GB/T11606-2007 16.4	Only: ≤+85 °C
		17	Fall down	Method of environmental test GB/T11606-2007 17.3	Only: ≤200 kg (0~100)cm
		18	Pump	Method of environmental test GB/T11606-2007 18.3	Only: ≤100 0m/s <sup>2</sup>
		19	Noise	Detection of power degree of noise GB3768-1996 7	Only: (30~120)dB 半



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		20	Electrostatic discharge	Electromagnetic compatibility testing and measurement techniques Electrostatic discharge immunity test GB/T17626.2-2006	消声室法 Only:≤(500×350×350)mm
		21	Radiated, radio-frequency, electromagnetic field	Electromagnetic compatibility testing and measurement techniques Radiated, radio-frequency, electromagnetic field immunity test GB/T17626.3-2016	
		22	Electrical fast transient	Electromagnetic compatibility testing and measurement techniques Electrical fast transient/burst immunity test GB/T 17626.4-2008	
		23	Immunity to conducted disturbances	Electromagnetic compatibility testing and measurement techniques Immunity to conducted disturbances,induced by radio-frequency fields GB/T 17626.6-2008	
		24	Surge	Electromagnetic compatibility testing and measurement techniques Surge immunity test GB/T 17626.5-2008	
		25	Power frequency magnetic field	Electromagnetic compatibility testing and measurement techniques Power frequency magnetic field immunity test GB/T 17626.8-2006	
		26	Voltage dips, short interruptions and voltage variations	Electromagnetic compatibility testing and measurement techniques Voltage dips, short interruptions and voltage variations immunity test GB/T 17626.11-2008	
		27	Radio disturbance characteristics	Information technology equipment radio disturbance characteristics limits and methods of measurement GB 9254-2008	
34	coal	1	Total moisture in coal	Determination of total moisture in coal GB/T211-2007 3.1.2 3.2.2	Only: MethodA2、B2
		2	Moisture	Proximate analysis of coal GB/T212-2008 3.2	Can not do: 3.1Method A



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		3	Ash	Proximate analysis of coal GB/T212-2008 4	Can not do: 4.2.1 Method A
		4	Volatile matter	Proximate analysis of coal GB/T212-2008 5	Can not do: 4.2.1 Method A
		5	Fixed carbon	Proximate analysis of coal GB/T212-2008 6	Can not do: 4.2.1 Method A
		6	Total sulfur in coal	Determination of total sulfur in coal GB/T214-2007 214-2007	Only: Coulometric titration
		7	Calorific value of coal	Determination of calorific value of coal GB/T213-2008 8.4	accreditation only for 8.4
35	*Biological safety cabinets	1	Aperture Protection Factor	Class II biological safety cabinets YY0569-2011 6.3.6.3.3	Only potassium iodide method
		2	Noise	Class II biological safety cabinets YY0569-2011 6.3.3.3	
		3	Descending flow velocity	Class II biological safety cabinets YY0569-2011 6.3.7.3	
		4	Flow velocity of inflow	Class II biological safety cabinets YY0569-2011 6.3.8.4	
		5	Illuminance	Class II biological safety cabinets YY0569-2011 6.3.4.3	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		6	Vibration	Class II biological safety cabinets YY0569-2011 6.3.5.3	
		7	Temperature rise	Class II biological safety cabinets YY0569-2011 6.3.12.2	
		8	UV lamp	Class II biological safety cabinets YY0569-2011 6.3.14.3	
36	*Clean Bench	1	Scans	Clean Bench JG/T292-2010 7.4.4.1	
		2	Ejector Function	Clean Bench JG/T292-2010 7.4.4.2	
		3	Wind Speed	Clean Bench JG/T292-2010 7.4.4.3	
		4	Air Volume	Clean Bench JG/T292-2010 7.4.4.5	
		5	Air Cleanliness	Clean Bench JG/T292-2010 7.4.4.6	
		6	Noise	Clean Bench JG/T292-2010 7.4.4.8	
		7	Illuminance	Clean Bench JG/T292-2010 7.4.4.9	
		8	Amplitude of Vibration	Clean Bench JG/T292-2010 7.4.4.10	
Energy Saving Detect					
1	Industrial boiler	1	Thermal efficiency	Thermal performance test code for industrial boilers GB/T10180-2003 9	
		2	Funnel temperature	Monitoring and testing method for energy saving of coal fired industrial boilers GB/T15317-2009 4.4	
		3	Air surplus coefficient	Monitoring and testing method for energy saving of coal fired industrial boilers GB/T15317-2009 4.5	
		4	Unburned combustible in slag	Monitoring and testing method for energy saving of coal fired industrial boilers GB/T15317-2009 4.6	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		5	Surface temperature	Monitoring and testing method for energy saving of coal fired industrial boilers GB/T15317-2009 4.7	
2	Flame heating furnace	1	Funnel temperature	Monitoring and testing method for energy saving of flame heating furnace GB/T15319-1994 4.4	
		2	Air surplus coefficient	Monitoring and testing method for energy saving of flame heating furnace GB/T15319-1994 4.5	
		3	Unburned combustible in slag	Monitoring and testing method for energy saving of flame heating furnace GB/T15319-1994 4.6	
		4	Surface temperature	Monitoring and testing method for energy saving of flame heating furnace GB/T15319-1994 4.7	
		5	Comparable unit burnup	Monitoring and testing method for energy saving of flame heating furnace GB/T15319-1994 4.8	
3	Heat transmission and distribution system	1	Insulation structure surface temperature rise	Monitoring and testing method for energy saving of heat transmission and distribution system GB/T15910-2009 5.4	
		2	Steam leak rate of drain valve	Monitoring and testing method for energy saving of heat transmission and distribution system GB/T15910-2009 5.5	
4	Electroheat device in industry	1	Efficiency electric energy	Monitoring and testing method for energy saving of electroheat device in industry GB/T15911-1995 4.4	
		2	No-load heating time	Monitoring and testing method for energy saving of electroheat device in industry GB/T15911-1995 4.5	
		3	Surface temperature rise	Monitoring and testing method for energy saving of electroheat device in industry GB/T15911-1995 4.6	
5	Three-phase induction motor	1	Input active power	Three-phase induction motor's economic operation GB/T12497-2006 7	
		2	Power factor	Three-phase induction motor's economic operation GB/T12497-2006 7	
		3	Input voltage	Three-phase induction motor's economic operation GB/T12497-2006 7	
		4	Input current	Three-phase induction motor's economic operation GB/T12497-2006 7	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
6	Fan unit and distribution tube system	1	Utilization of power of fan unit	Monitoring and testing method for energy saving of fan unit and distribution tube system GB/T15913-2009 5	
		2	Motor load rate	Monitoring and testing method for energy saving of fan unit and distribution tube system GB/T15913-2009 5	
7	Air compressor unit and air distribution system	1	Compressor-discharge temperature	Monitoring and testing method for energy saving of air compressor unit and air distribution system GB/T16665-1996 5.6	
		2	Compressor cooling water inlet water temperature	Monitoring and testing method for energy saving of air compressor unit and air distribution system GB/T16665-1996 5.6	
		3	Compressor cooling water inlet and outlet water temperature difference	Monitoring and testing method for energy saving of air compressor unit and air distribution system GB/T16665-1996 5.6	
		4	Electricity unit consumption of air compressor unit	Monitoring and testing method for energy saving of air compressor unit and air distribution system GB/T16665-1996 5.6	
8	Motor-pump liquid transport system	1	Load ratio of motor	Monitoring and testing for motor-pump liquid transport system GB/T16666-2012 6	
		2	Pumps efficiency	Monitoring and testing for motor-pump liquid transport system GB/T16666-2012 6	
		3	ton·hectometer power consumption	Monitoring and testing for motor-pump liquid transport system GB/T16666-2012 6	
9	Power supply distribution system of industrial enterprise	1	Daily load factor	Monitoring and testing method for energy saving of power supply distribution system of industrial enterprise GB/T16664-1996 4.3	
		2	Transformer load coefficient	Monitoring and testing method for energy saving of power supply distribution system of industrial enterprise GB/T16664-1996 4.4	
		3	Line loss rate	Monitoring and testing method for energy saving of power supply distribution system of industrial enterprise GB/T16664-1996 4.5	
		4	Enterprise electricity system power factor	Monitoring and testing method for energy saving of power supply distribution system of industrial enterprise GB/T16664-1996 4.6	



№	Test Object	Item/Parameter		Standard or Method			Note	
		№	Item/ Parameter					
10	Architectural lighting	1	Illuminance	Measurement methods for lighting	GB/T 5700-2008	6.1		
		2	Uniformity ratio of illuminance	Measurement methods for lighting	GB/T 5700-2008	6.1		
		3	Lighting power density	Measurement methods for lighting	GB/T 5700-2008	6.6		
measuring device（detection device）								
1	Hydraulic Universal Testing Machine	1	Coaxiality	Hydraulic universal testing machines	GB/T 3159-2008	6.3.3		
		2	Force value	Hydraulic universal testing machines	GB/T 3159-2009	6.3		
		3	hardness	Hydraulic universal testing machines	GB/T 3159-2010	6.3.5		
		4	Surface roughness	Hydraulic universal testing machines	GB/T 3159-2011	6.3.7		
		5	Noise	Hydraulic universal testing machines	GB/T 3159-2012	6.9		
2	Electronic Testing Machine	1	Surface roughness	Electronic Testing Machine	GB/T 16491-2008	6.3.3		
		2	Surface roughness	Electronic Testing Machine	GB/T 16491-2009	6.3.6		
		3	Force value	Electronic Testing Machine	GB/T 16491-2010	6.4		
		4	deformation	Electronic Testing Machine	GB/T 16491-2011	6.5		
		5	hardness	Electronic Testing Machine	GB/T 16491-2012	6.3.7		
		6	Noise	Electronic Testing Machine	GB/T 16491-2013	6.11		
	*automatic detecting and	1	General requirement	General specifications of automatic detecting and recording system of vehicles for violation of traffic signal GA/T496-2014			5.2	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	recording system of vehicles for violation of traffic signal	2	Recording for violation of traffic signal	General specifications of automatic detecting and recording system of vehicles for violation of traffic signal GA/T496-2014 5.4.1.1	
		3	Requirement of photograph recording	General specifications of automatic detecting and recording system of vehicles for violation of traffic signal GA/T496-2014 5.4.1.3	
		4	Requirement of Information recording	General specifications of automatic detecting and recording system of vehicles for violation of traffic signal GA/T496-2014 5.4.1.4	
		5	Capture rate	General specifications of automatic detecting and recording system of vehicles for violation of traffic signal GA/T496-2014 5.4.1.5	
		6	Effective ratio	General specifications of automatic detecting and recording system of vehicles for violation of traffic signal GA/T496-2014 5.4.1.5	
		7	Timing error	General specifications of automatic detecting and recording system of vehicles for violation of traffic signal GA/T496-2014 5.4.1.6	
		8	Data transmission	General specifications of automatic detecting and recording system of vehicles for violation of traffic signal GA/T496-2014 5.4.1.7	
		9	License plate recognition	General specifications of automatic detecting and recording system of vehicles for violation of traffic signal GA/T496-2014 5.4.2.1	
4	Pressure Gauge	1	appearance	General pressure gauge GB1226-2010 5.11	
		2	Basic error	General pressure gauge GB1226-2010 5.3	
		3	Return difference	General pressure gauge GB1226-2010 5.4	
		4	Stationarity of pointer deflection	General pressure gauge GB1226-2010 5.5	
		5	Tapping displacement	General pressure gauge GB1226-2010 5.6	
		6	over-pressuere	General pressure gauge GB1226-2010 5.8	
		7	temperature	General pressure gauge GB1226-2010 5.7	



№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		8	cyclic pressure	General pressure gauge GB1226-2010 5.9	
		9	work environment vibration resistance	General pressure gauge GB1226-2010 5.12	
		10	transportation environment resistance	General pressure gauge GB1226-2010 5.13	
5	Industrial Platinum Resistance Thermometer sensor	1	Sheath integrity test	Industrial platinum resistance thermometers and platinum temperature sensors GB/T-30121-2013 6.3.2	
		2	Tolerance acceptance test	Industrial platinum resistance thermometers and platinum temperature sensors GB/T 30121-2013 6.3.4	
		3	Vibration test	Industrial platinum resistance thermometers and platinum temperature sensors GB/T 30121-2013 6.6.4	
		4	Drop test	Industrial platinum resistance thermometers and platinum temperature sensors GB/T 30121-2013 6.6.5	
		5	Insulation resistance at ambient temperature	Industrial platinum resistance thermometers and platinum temperature sensors GB/T 30121-2013 6.3.1	
		6	Insulation resistance at elevated temperatures	Industrial platinum resistance thermometers and platinum temperature sensors GB/T 30121-2013 6.5.1	
		7	Thermal response time	Specification and reference table for industrial platinum resistance thermometer sensor GB/T 30121-2013 6.5.2	
		8	Thermoelectric effect	Industrial platinum resistance thermometers and platinum temperature sensors GB/T 30121-2013 6.5.4	
		9	Self-heating	Industrial platinum resistance thermometers and platinum temperature sensors GB/T 30121-2013 6.5.7	
		10	Minimum immersion depth	Industrial platinum resistance thermometers and platinum temperature sensors GB/T 30121-2013 6.5.8	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		11	Effect of temperature cycling	Industrial platinum resistance thermometers and platinum temperature sensors GB/T 30121-2013 6.5.5	
6	Industrial Thermocouple	1	Outward appearance	Specification for industrial thermocouple assemblies JB/T 9238-1999 4.1	No thermal electromotive force stability term
		2	Allowable tolerance	Specification for industrial thermocouple assemblies JB/T 9238-1999 4.2	No thermal electromotive force stability term
		3	Insulation Resistance	Specification for industrial thermocouple assemblies JB/T 9238-1999 4.3	No thermal electromotive force stability term
		4	Thermal response time	Specification for industrial thermocouple assemblies JB/T 9238-1999 4.6	No thermal electromotive force stability term
		5	Basic Conditions of Transport	Specification for industrial thermocouple assemblies JB/T 9238-1999 4.5	No thermal electromotive force stability term
EMC					
1	Electro \Electric - product	1	Electrostatic discharge immunity	Electromagnetic compatibility--Testing and measurement techniques-- Electrostatic discharge immunity test GB/T 17626.2-2006	

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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	(EMC)		test		
		2	Radio frequency, electromagnetic field immunity test	Electromagnetic compatibility--Testing and measurement techniques--Radio frequency, electromagnetic field immunity test GB/T 17626.3-2016	
		3	Electrical fast transient/burst immunity test	Electromagnetic compatibility--Testing and measurement techniques--Electrical fast transient/burst immunity test GB/T 17626.4-2008	
		4	Surge immunity test	Electromagnetic compatibility--Testing and measurement techniques--Surge immunity test GB/T 17626.5-2008	
		5	Immunity to conducted disturbances, induced by radio-frequency fields	Electromagnetic compatibility--Testing and measurement techniques--Immunity to conducted disturbances, induced by radio-frequency fields GB/T 17626.6-2008	
		6	Power frequency magnetic field immunity test	Electromagnetic compatibility(EMC)-Part 4-8:Testing and measurement techniques-Power frequency magnetic field immunity test GB/T 17626.8-2006	
		7	Voltage dips, short interruptions and voltage variations immunity test	Electromagnetic compatibility--Testing and measurement techniques--Voltage dips, short interruptions and voltage variations immunity test GB/T 17626.11-2008	
		8	Ring wave immunity test	Electromagnetic compatibility--Testing and measurement techniques-- Ring wave immunity test GB/T 17626.12-2013	
2	Electrical motor-operated and thermal appliances for house-hold and	1	Disturbance voltages	Limits and methods of measurement of radio disturbance characteristics of electrical motor-operated and thermal appliances for house-hold and similar purposes, electric tools and similar electric apparatus GB 4343.1-2009	
		2	Disturbance power	Limits and methods of measurement of radio disturbance characteristics of electrical motor-operated and thermal appliances for house-hold and similar	





№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	similar purposes,electric tools and similar electric apparatus (EMC)			purposes, electric tools and similar electric apparatus GB 4343.1-2009	
		3	Electrostatic discharge	Electromagnetic compatibility Requirements for household appliances, electric tools and similar apparatus Part 2:Immunity GB 4343.2-2009	
		4	Fast transient	Electromagnetic compatibility Requirements for household appliances, electric tools and similar apparatus Part 2:Immunity GB 4343.2-2009	
		5	Injected current(Conducted Immunity)	Electromagnetic compatibility Requirements for household appliances, electric tools and similar apparatus Part 2:Immunity GB 4343.2-2009	
		6	Radio frequency electromagnetic fields	Electromagnetic compatibility Requirements for household appliances, electric tools and similar apparatus Part 2:Immunity GB 4343.2-2009	
		7	Surges	Electromagnetic compatibility Requirements for household appliances, electric tools and similar apparatus Part 2:Immunity GB 4343.2-2009	
		8	Voltage dips and interruptions	Electromagnetic compatibility Requirements for household appliances, electric tools and similar apparatus Part 2:Immunity GB 4343.2-2009	
3	Information technology equipment (EMC)	1	Conducted disturbance	Information technology equipment--Radio disturbance characteristics--Limits and methods GB 9254-2008	
		2	Radiated disturbance	Information technology equipment--Radio disturbance characteristics--Limits and methods GB 9254-2008	
		3	Electrostatic discharge	Information technology equipment--Immunity characteristics--Limits and methods of measurement GB/T 17618-2015	
		4	Fast transients	Information technology equipment--Immunity characteristics--Limits and methods of measurement GB/T 17618-2015	
		5	Radio-frequency electromagnetic field	Information technology equipment--Immunity characteristics--Limits and methods of measurement GB/T 17618-2015	
		6	Radio-frequency continuous conducted	Information technology equipment--Immunity characteristics--Limits and methods of measurement GB/T 17618-2015	
		7	Power-frequency magnetic field	Information technology equipment--Immunity characteristics--Limits and methods of measurement GB/T 17618-2015	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		8	Surges	Information technology equipment--Immunity characteristics--Limits and methods of measurement GB/T 17618-2015	
		9	Voltage dips and interruptions	Information technology equipment--Immunity characteristics--Limits and methods of measurement GB/T 17618-2015	
4	Industrial, scientific and medical (ISM) radio-frequency equipment (EMC)	1	Mains terminal disturbance voltage	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement GB 4824-2013	
		2	Radiated disturbance	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement GB 4824-2013	
5	Electrical lighting and similar equipment (EMC)	1	Disturbance voltage	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment GB 17743-2007	
		2	Radiated magnetic field disturbance	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment GB 17743-2007	
		3	Electrostatic discharge	Equipment for general lighting purposes EMC immunity requirements GB/T 18595-2014	
		4	Radio-frequency electromagnetic field	Equipment for general lighting purposes EMC immunity requirements GB/T 18595-2014	
		5	Power-frequency magnetic field	Equipment for general lighting purposes EMC immunity requirements GB/T 18595-2014	
		6	Fast transients	Equipment for general lighting purposes EMC immunity requirements GB/T 18595-2014	
		7	Injected current	Equipment for general lighting purposes EMC immunity requirements GB/T 18595-2014	
		8	Surges	Equipment for general lighting purposes EMC immunity requirements GB/T 18595-2014	
		9	Voltage dips and interruptions	Equipment for general lighting purposes EMC immunity requirements GB/T 18595-2014	
6	Road vehicles Component	1	Electrical disturbances from	Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 2: Absorber-lined	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	(EMC)		narrowband radiated electromagnetic energy test (Absorber-lined shielded enclosure)	shielded enclosure ISO 11452-2:2004	
		2	Electrical disturbances from narrowband radiated electromagnetic energy test (BCI)	Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 4: Bulk current injection (BCI) ISO 11452-4:2011	
		3	Electrical disturbances from narrowband radiated electromagnetic energy test (Immunity to Magnetic field)	Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 8: Immunity to Magnetic field ISO 11452-8:2015	
		4	Electrical transient conducted immunity	Road vehicles — Electrical disturbances from conduction and coupling —Part 2: Electrical transient conduction along supply lines only GB/T 21437.2-2008	
		5	Electrical transient conducted immunity other than supply lines	Road vehicles - Electrical disturbances from conduction and coupling - Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines GB/T 21437.3-2012	
		6	Measurement of radio disturbance characteristics for the protection of receivers used on board vehicles	Limits and methods of measurement of radio disturbance characteristics for the protection of receivers used on board vehicles GB 18655-2010	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		7	Electrostatic discharge	Road vehicles – Test methods for electrical disturbances from electrostatic discharge GB/T 19951-2005	
7	Products of residential, commercial and light-industrial environments (EMC)	1	Electrostatic discharge immunity test	Electromagnetic compatibility--Generic standards--Immunity for residential, commercial and light-industrial environments GB/T 17799.1-1999	
		2	Radiated disturbance immunity test	Electromagnetic compatibility--Generic standards--Immunity for residential, commercial and light-industrial environments GB/T 17799.1-1999	
		3	Electrical fast transient/burst immunity test	Electromagnetic compatibility--Generic standards--Immunity for residential, commercial and light-industrial environments GB/T 17799.1-1999	
		4	Surge immunity test	Electromagnetic compatibility--Generic standards--Immunity for residential, commercial and light-industrial environments GB/T 17799.1-1999	
		5	Immunity to conducted disturbances, induced by radio-frequency fields	Electromagnetic compatibility--Generic standards--Immunity for residential, commercial and light-industrial environments GB/T 17799.1-1999	
		6	Power frequency magnetic field immunity test	Electromagnetic compatibility--Generic standards--Immunity for residential, commercial and light-industrial environments GB/T 17799.1-1999	
		7	Voltage dips, short interruptions and voltage variations immunity test	Electromagnetic compatibility--Generic standards--Immunity for residential, commercial and light-industrial environments GB/T 17799.1-1999	
		8	Conducted disturbance	Electromagnetic compatibility - Generic standards - Emission standard for residential, commercial and light-industrial environments GB 17799.3-2012	
		9	Radiated disturbance	Electromagnetic compatibility - Generic standards - Emission standard for residential, commercial and light-industrial environments GB 17799.3-2012	
8	Products of industrial	1	Electrostatic discharge immunity	Electromagnetic compatibility - Generic standards - Immunity for industrial environments GB/T 17799.2-2003	



№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	environments (EMC)		test		
		2	Radiated disturbance immunity test	Electromagnetic compatibility - Generic standards - Immunity for industrial environments GB/T 17799.2-2003	
		3	Electrical fast transient/burst immunity test	Electromagnetic compatibility - Generic standards - Immunity for industrial environments GB/T 17799.2-2003	
		4	Surge immunity test	Electromagnetic compatibility - Generic standards - Immunity for industrial environments GB/T 17799.2-2003	
		5	Immunity to conducted disturbances, induced by radio-frequency fields	Electromagnetic compatibility - Generic standards - Immunity for industrial environments GB/T 17799.2-2003	
		6	Power frequency magnetic field immunity test	Electromagnetic compatibility - Generic standards - Immunity for industrial environments GB/T 17799.2-2003	
		7	Voltage dips, short interruptions and voltage variations immunity test	Electromagnetic compatibility - Generic standards - Immunity for industrial environments GB/T 17799.2-2003	
		8	Conducted disturbance	Electromagnetic compatibility - Generic standards - Emission standard for Industrial environments GB 17799.4-2012	
		9	Radiated disturbance	Electromagnetic compatibility - Generic standards - Emission standard for Industrial environments GB 17799.4-2012	
9	Electrical equipment for measurement, control and laboratory use	1	Conducted Emission	Electrical equipment for measurement, control and laboratory use – EMC requirements GB/T 18268.1-2010	
		2	Radiated Emission	Electrical equipment for measurement, control and laboratory use – EMC requirements GB/T 18268.1-2010	
		3	Electrostatic	Electrical equipment for measurement, control and laboratory use – EMC	

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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	(EMC)		Discharge Immunity	requirements GB/T 18268.1-2010	
		4	Radiated Immunity	Electrical equipment for measurement, control and laboratory use – EMC requirements GB/T 18268.1-2010	
		5	Electrical Fast Transient / Burst Immunity	Electrical equipment for measurement, control and laboratory use – EMC requirements GB/T 18268.1-2010	
		6	Surge	Electrical equipment for measurement, control and laboratory use – EMC requirements GB/T 18268.1-2010	
		7	Conducted Immunity	Electrical equipment for measurement, control and laboratory use – EMC requirements GB/T 18268.1-2010	
		8	Power frequency magnetic field immunity	Electrical equipment for measurement, control and laboratory use – EMC requirements GB/T 18268.1-2010	
		9	Dips	Electrical equipment for measurement, control and laboratory use – EMC requirements GB/T 18268.1-2010	
10	Medical electrical equipment (EMC)	1	Radiated Emission	Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests YY 0505-2012	
		2	Electrostatic Discharge Immunity	Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests YY 0505-2012	
		3	Radiated Immunity	Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests YY 0505-2012	
		4	Electrical Fast Transient / Burst Immunity	Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests YY 0505-2012	
		5	Surge	Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests YY 0505-2012	



№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				YY 0505-2012	
		6	Conducted Immunity	Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests YY 0505-2012	
		7	Dips	Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests YY 0505-2012	
		8	Power frequency magnetic field immunity	Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests YY 0505-2012	
		9	Electrical transient conduction along supply lines	Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests YY 0505-2012	
Mechanical					
Machine Tools					
1	Machine Tool	1	Determination of accuracy	Test code for machine tools-Part 2: Determination of accuracy and repeatability of positioning numerically controlled axes GB/T17421.2-2000 2.17	
		2	Repeatability of positioning	Test code for machine tools-Part 2: Determination of accuracy and repeatability of positioning numerically controlled axes GB/T17421.2-2000 2.23	
Engineer mechanical					
1	Orifice Plates	1	Flatness	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full-Part 2: Orifice plates GB/T2624.2—2006 5.1.3.1	
		2	Roughness	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full-Part 2: Orifice plates	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				GB/T2624.2—2006 5.1.3.2	
		3	Thickness	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full-Part 2: Orifice plates GB/T2624.2—2006 5.1.5	
		4	Angle	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full-Part 2: Orifice plates GB/T2624.2—2006 5.1.9	
		5	Diameter	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full-Part 2: Orifice plates GB/T2624.2—2006 5.1.8	
2	Workpieces	1	Length	Geometrical Product Specifications(GPS)-Inspection of plain workpiece sizes GB/T 3177-2009 5.1	measuring range: X:1200mm Y:1000mm Z:700mm
		2	Angle	General tolerances Tolerances for linear and angular dimensions without individual tolerance indications GB/T1804-2000 5.1	measuring range: X:1200mm Y:1000mm Z:700mm
		3	Geometry	Geometrical Product Specifications(GPS)-Geometrical tolerance-Verification prescription GB/T 1958-2004 4	measuring range: X:1200mm Y:1000mm Z:700mm
		4	Geometric location	Geometrical Product Specifications(GPS)-Geometrical tolerance-Verification prescription GB/T 1958-2004 5	measuring range: X:1200mm Y:1000mm



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
					Z:700mm
		5	Surface Roughness	Geometrical product Specifications(GPS)-Surface texture : Profile method- Rules and procedures for the assessment of surface texture GB/T 10610-2009 6.2	measuring range: X:1200mm Y:1000mm Z:700mm
		6	Roundness	Specification for geometrical quantities of products (GPS) inspection of shape and position tolerances GB/T 1958-2004 4	measuring range: X:1200mm Y:1000mm Z:700mm



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