

Name: Shandong Institute of Metrology

Address: Junction of Dongfanghong East Road and Chongde Five Avenue, Dezhou, Shandong, China

Registration No. CNAS L0854

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2026-04-21 Expiry Date: 2030-02-03

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
03 Machinery						
0319 Measuring instruments （ testing equipment ）						
1	Continuous Totalizing Automatic Weighing Instruments	1	in-situ product test	Continuous Totalizing Automatic Weighing Instruments(Belt weighers) GB/T7721-2017 A.9	accredited only for: （ 200～6000 ） t/h	2025-12-05
				Continuous totalizing automatic weighing instruments(Belt weighers) OIML R50-2: 2014 （E） 10	accredited only for: （ 200～6000 ） t/h	2025-12-05
2	Discontinuous Totalizing Automatic Weighing Instrument	1	Product test	Discontinuous totalizing automatic weighing instruments GB/T 28013-2011 A.9	accredited only for: 50kg～100t	2025-12-05
				Discontinuous totalizing automatic weighing instruments OIML R107-1: 2007 A.9	accredited only for:	2025-12-05

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					50kg~100t	
3	Automatic Gravimetric Filling Instruments	1	Product test	Automatic gravimetric filling instruments GB/T 27738-2011 OIML R61-1: 2004 (E) A.8	accredited only for: 0.1g~100t	2025-12-05
				Automatic Gravimetric Filling Instruments OIML R61-2:2017 (E) 12	accredited only for: 0.1g~100t	2025-12-05
4	Automatic catchweighing instruments	1	running test	Automatic catchweighing instruments GB/T 27739—2011 8.1	accredited only for: 1g~50kg	2025-12-05
				Automatic catchweighing instruments OIML R51-1: 2006 (E) 6.1	accredited only for: 1g~50kg	2025-12-05
5	Heat meter	1	Display	Heat meters GB/T 32224-2020 7.2.1		2025-12-05
		2	Resolution	Heat meters GB/T 32224-2020 7.2.2		2025-12-05
		3	Display indicating the quantity of heat	Heat meters GB/T 32224-2020 7.2.3		2025-12-05
		4	Data storage	Heat meters GB/T 32224-2020 7.3		2025-12-05
		5	Strength	Heat meters GB/T 32224-2020 7.4.1		2025-12-05
		6	Leakage	Heat meters GB/T 32224-2020 7.4.2		2025-12-05
		7	Maximum permissible errors of instrument	Heat meters GB/T 32224-2020 7.5.1	Accredited Only for : DN15~DN400,	2025-12-05



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					(0.006~2000) m ³ /h, Temperature range: (4~150) °C, Temperature difference range: (2~145) K	
		8	Maximum permissible errors of calculators	Heat meters GB/T 32224-2020 7.5.2.1	Accredited Only for : Temperature range: (0~200) °C, Temperature difference range: (2~180) K	2025-12-05
		9	Maximum permissible errors of temperature sensor pair	Heat meters GB/T 32224-2020 7.5.2.2	Accredited Only for : Temperatur	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					e range: (4~ 150) °C, Temperatur e difference range: (2~ 145) K	
		10	Maximum permissible errors of flow sensor	Heat meters GB/T 32224-2020 7.5.2.3	Accredited Only for : DN15~DN400, (0.006~2000) m³/h	2025-12-05
		11	Change-over systems between heating and cooling	Heat meters GB/T 32224-2020 7.6		2025-12-05
		12	Maximum pressure loss	Heat meters GB/T 32224-2020 7.7		2025-12-05
		13	Supply voltage	Heat meters GB/T 32224-2020 7.8		2025-12-05
		14	Durability	Heat meters GB/T 32224-2020 7.9		2025-12-05
		15	Response performance of fast response meters	Heat meters GB/T 32224-2020 7.10		2025-12-05
		16	Power protection	Heat meters GB/T 32224-2020 7.11.1		2025-12-05
		17	Undervoltage warning	Heat meters GB/T 32224-2020 7.11.2		2025-12-05

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	Static magnetic field	Heat meters GB/T 32224-2020 7.11.3		2025-12-05
		19	Electrical insulation	Heat meters GB/T 32224-2020 7.11.4	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		20	Degree of protection provided by enclosure	Heat meters GB/T 32224-2020 7.11.5	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		21	Sealed protective device	Heat meters GB/T 32224-2020 7.11.6		2025-12-05
		22	Data interface and communication	Heat meters GB/T 32224-2020 7.12		2025-12-05
		23	Environment	Heat meters GB/T 32224-2020 7.13	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		24	Electromagnetic compatibility	Heat meters GB/T 32224-2020 7.14	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		25	Flow disturbances	Heat meters GB/T 32224-2020 7.15		2025-12-05
6	Heat meters	1	Performance test	Heat meters OIML R 75-2:2002 6.4		2025-12-05
		2	Dry heat	Heat meters OIML R 75-2:2002 6.5	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		3	Cold	Heat meters OIML R 75-2:2002 6.6	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		4	Damp heat, cyclic	Heat meters OIML R 75-2:2002 6.9	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		5	Static deviations in supply voltage and frequency	Heat meters OIML R 75-2:2002 6.7		2025-12-05
		6	Durability	Heat meters OIML R 75-2:2002 6.8		2025-12-05
		7	Short time reduction in supply voltage	Heat meters OIML R 75-2:2002 6.10	Test Location: No. 28, Qianfoshan	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					East Road, Jinan City	
		8	Electrical transients	Heat meters OIML R 75-2:2002 6.11	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		9	Electromagnetic field	Heat meters OIML R 75-2:2002 6.12	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		10	Electrostatic discharge	Heat meters OIML R 75-2:2002 6.13	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		11	Electromagnetic field at mains frequency	Heat meters OIML R 75-2:2002 6.15	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		12	Static magnetic field	Heat meters OIML R 75-2:2002 6.14		2025-12-05
		13	Internal pressure	Heat meters OIML R 75-2:2002 6.16		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Pressure loss	Heat meters OIML R 75-2:2002 6.17		2025-12-05
7	Thermal energy meters	1	Performance test	Thermal energy meters EN 1434-4:2022 7.4		2025-12-05
		2	Dry heat	Thermal energy meters EN 1434-4:2022 7.5	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		3	Cold	Thermal energy meters EN 1434-4:2022 7.6	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		4	Damp heat, cyclic	Thermal energy meters EN 1434-4:2022 7.9.1	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		5	Damp heat, steady-state	Thermal energy meters EN 1434-4:2022 7.9.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		6	Static deviations in supply voltage	Thermal energy meters EN 1434-4:2022 7.7		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Durability	Thermal energy meters EN 1434-4:2022 7.8		2025-12-05
		8	Short time reduction in supply voltage	Thermal energy meters EN 1434-4:2022 7.10	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		9	Electrical transients	Thermal energy meters EN 1434-4:2022 7.11	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		10	High frequency electromagnetic field	Thermal energy meters EN 1434-4:2022 7.12.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		11	Electromagnetic field – distant proximity	Thermal energy meters EN 1434-4:2022 7.13.1	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		12	Radio frequency, amplitude modulated	Thermal energy meters EN 1434-4:2022 7.14	Test Location: No. 28, Qianfoshan East Road,	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Jinan City	
		13	Electrostatic discharge	Thermal energy meters EN 1434-4:2022 7.15	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		14	Mains frequency magnetic field	Thermal energy meters EN 1434-4:2022 7.17	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		15	Static magnetic field	Thermal energy meters EN 1434-4:2022 7.16		2025-12-05
		16	Electromagnetic emission	Thermal energy meters EN 1434-4:2022 7.20	The site is No. 146, GangXing road , Licheng District , Jinan.	2026-04-21
		17	Internal pressure	Thermal energy meters EN 1434-4:2022 7.18		2025-12-05
		18	Pressure loss	Thermal energy meters EN 1434-4:2022 7.19		2025-12-05
		19	24 hrs interruption	Thermal energy meters EN 1434-4:2022 7.21		2025-12-05
		20	Flow disturbances	Thermal energy meters EN 1434-4:2022 7.22		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		21	Vibration/ mechanical shock	Thermal energy meters EN 1434-4:2022 7.23	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
8	Cold Water Meter	1	Appearance	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 6		2025-12-05
		2	static pressure test	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.3	Accredited Only for: DN600 and below.	2025-12-05
		3	Determination of intrinsic errors	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.4	Accredited Only for : DN15~ DN1000, (0.002~ 5551) m ³ /h	2025-12-05
		4	Water temperature test	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.5	Accredited Only for : DN15~ DN400, (0.002~ 2000) m ³ /h	2025-12-05
		5	hydraulic pressure test	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.7	Accredited Only for : DN15~ DN50, (0.002~	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					30) m ³ /h	
		6	contra-flow test	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.8		2025-12-05
		7	pressure loss test	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.9		2025-12-05
		8	Flow disturbance tests	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.10		2025-12-05
		9	Intermittent flow durability	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.11.2	Accredited Only for : DN15~ DN50, (0.002~ 40) m ³ /h	2025-12-05
		10	Continuous flow durability	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.11.3	Accredited Only for : DN15~ DN50, (0.002~ 40)m ³ /h	2025-12-05
		11	Magnetostatic field testing	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.16	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		12	Tests on ancillary devices of a water meter	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.13		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	dry heat(non-condensing)	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.2	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~ DN50, (0.002~ 30)m ³ /h	2025-12-05
		14	cold	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.3	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~ DN50, (0.002~ 30)m ³ /h	2025-12-05
		15	damp heat(condensing)	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.4	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	Vibration	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.6	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		17	Power supply variation	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.5		2025-12-05
		18	Mechanical shock	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.7	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		19	electrostatic discharge	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.11	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		20	AC mains voltage dips, short interruptions and voltage variations	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.8	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		21	Bursts	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.9 8.10	Test Location: No. 28, Qianfoshan	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					East Road, Jinan City	
		22	Radiated electromagnetic fields	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.12	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		23	Conducted electromagnetic fields	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.13	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		24	surge transients field	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.14 8.15	Test Location: No. 28, Qianfoshan East Road, Jinan City	2026-04-21
		25	Absence of flow test	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 8.17		2025-12-05
		26	Overload water temperature test	Meters for cold potable water and hot water- Part 2: Test methods GB/T778.2-2018 7.6	Accredited Only for : DN15~ DN400; (0.002~ 2000)m ³ /h	2025-12-05
9	Water meters intended for	1	External examination	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 6		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	the metering of cold potable water and hot water	2	Static pressure test	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 7.3	Accredited Only for : DN15~DN50	2025-12-05
		3	Determination of intrinsic errors (of indication)	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 7.4	Accredited Only for : DN15~DN50	2025-12-05
		4	Water temperature test	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 7.5	Accredited Only for : DN15~DN50	2025-12-05
		5	Overload water temperature test	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 7.6	Accredited Only for : DN15~DN50	2025-12-05
		6	Water pressure test	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 7.7	Accredited Only for : DN15~DN50	2025-12-05
		7	Reverse flow test	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 7.8	Accredited Only for : DN15~DN50	2025-12-05
		8	Pressure loss test	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 7.9	Accredited Only for : DN15~DN50	2025-12-05
		9	Flow disturbance	Water meters for cold potable water and hot water Part 2: Test	Accredited	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			tests	methods OIML R 49-2 Edition 2024 (E) 7.10	Only for : DN15~ DN50	
		10	Durability tests	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 7.11	Accredited Only for : DN15~ DN50	2025-12-05
		11	Tests on ancillary devices of a water meter	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 7.13	Accredited Only for : DN15~ DN50	2025-12-05
		12	dry heat(non-condensing)	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.2	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~ DN50	2025-12-05
		13	Cold	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.3	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					DN50	
		14	Damp heat, cyclic (condensing)	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.4	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		15	Power supply variation	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.5	Accredited Only for : DN15~DN50	2025-12-05
		16	Vibration (random)	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.6	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		17	Mechanical shock	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.7	Test Location: No. 28, Qianfoshan	2025-12-05



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		№	Item/ Parameter			
					East Road, Jinan City Accredited Only for : DN15~ DN50	
		18	AC mains voltage dips, short interruptions and voltage variations	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.8	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~ DN50	2025-12-05
		19	Bursts on signal lines	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.9	Accredited Only for : DN15~ DN50	2025-12-05
		20	Bursts (transients) on AC and DC mains	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.10	Accredited Only for : DN15~ DN50	2025-12-05
		21	Electrostatic discharge	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.11	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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					Accredited Only for : DN15~DN50	
		22	Radiated electromagnetic fields	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.12	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		23	Conducted electromagnetic fields	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.13	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		24	Surges on signal, data and control lines	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.14	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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					Accredited Only for : DN15~DN50	
		25	Surges on AC and DC mains power lines	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.15	Accredited Only for : DN15~DN50	2025-12-05
		26	Static magnetic field	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.16	Accredited Only for : DN15~DN50	2025-12-05
		27	Absence of flow test	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.17	Accredited Only for : DN15~DN50	2025-12-05
		28	Mains power frequency electromagnetic fields test	Water meters for cold potable water and hot water Part 2: Test methods OIML R 49-2 Edition 2024 (E) 8.18	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
10	Water meters intended for the metering of cold potable	1	External examination	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 6		2025-12-05
		2	Static pressure test	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.3	Accredited Only for	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	water and hot water				: DN15~DN50	
		3	Determination of intrinsic errors (of indication)	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.4	Accredited Only for : DN15~DN50	2025-12-05
		4	Water temperature test	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.5	Accredited Only for : DN15~DN50	2025-12-05
		5	Overload water temperature test	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.6	Accredited Only for : DN15~DN50	2025-12-05
		6	Water pressure test	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.7	Accredited Only for : DN15~DN50	2025-12-05
		7	Reverse flow test	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.8	Accredited Only for : DN15~DN50	2025-12-05
		8	Pressure loss test	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.9	Accredited Only for : DN15~DN50	2025-12-05
		9	Flow disturbance tests	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.10	Accredited Only for : DN15~	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					DN50	
		10	Durability tests	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.11	Accredited Only for : DN15~DN50	2025-12-05
		11	Tests on ancillary devices of a water meter	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 7.13	Accredited Only for : DN15~DN50	2025-12-05
		12	dry heat(non-condensing)	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.2	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		13	Cold	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.3	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Damp heat, cyclic (condensing)	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.4	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		15	Power supply variation	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.5	Accredited Only for : DN15~DN50	2025-12-05
		16	Vibration (random)	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.6	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		17	Mechanical shock	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.7	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Accredited Only for : DN15~DN50	
		18	AC mains voltage dips, short interruptions and voltage variations	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.8	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		19	Bursts on signal lines	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.9	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		20	Bursts (transients) on AC and DC mains	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.10	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Accredited Only for : DN15~DN50	
		21	Electrostatic discharge	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.11	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		22	Radiated electromagnetic fields	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.12	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		23	Conducted electromagnetic fields	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.13	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Accredited Only for : DN15~DN50	
		24	Surges on signal, data and control lines	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.14	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		25	Surges on AC and DC mains power lines	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.15	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
		26	Static magnetic field	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.16	Accredited Only for : DN15~DN50	2025-12-05
		27	Absence of flow test	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.17	accredited Only for	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					: DN15~DN50	
		28	Mains power frequency electromagnetic fields test	Water meters for cold potable water and hot water Part 2: Test methods EN ISO 4064-2 2025 8.18	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~DN50	2025-12-05
11	Integrated circuit card cold water meter	1	Appearance	Integrated circuit card cold water meter CJ/T133-2012 7.2		2025-12-05
		2	Technical characteristics	Integrated circuit card cold water meter CJ/T133-2012 7.3		2025-12-05
		3	Static pressure	Integrated circuit card cold water meter CJ/T133-2012 7.4		2025-12-05
		4	Relative error of indication	Integrated circuit card cold water meter CJ/T133-2012 7.5	accredited Only for : DN15~DN50, (0.002~20)m³/h	2025-12-05
		5	Pressure loss	Integrated circuit card cold water meter CJ/T133-2012 7.6		2025-12-05
		6	Electromechanical conversion error	Integrated circuit card cold water meter CJ/T133-2012 7.7.1		2025-12-05
		7	Function	Integrated circuit card cold water meter CJ/T133-2012 7.7.2		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	Dry heat	Integrated circuit card cold water meter CJ/T133-2012 7.8.1	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		9	Cold	Integrated circuit card cold water meter CJ/T133-2012 7.8.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		10	Damp heat	Integrated circuit card cold water meter CJ/T133-2012 7.8.3	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		11	Electrostatic discharge	Integrated circuit card cold water meter CJ/T133-2012 7.9.1	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		12	Electromagnetic susceptibility	Integrated circuit card cold water meter CJ/T133-2012 7.9.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Magnetostatic field	Integrated circuit card cold water meter CJ/T133-2012 7.10		2025-12-05
		14	Supply voltage change	Integrated circuit card cold water meter CJ/T133-2012 7.11	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		15	Performance of electronic control system	Integrated circuit card cold water meter CJ/T133-2012 7.12		2025-12-05
		16	Ingress protection	Integrated circuit card cold water meter CJ/T133-2012 7.14	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		17	Mechanical shock	Integrated circuit card cold water meter CJ/T133-2012 7.15.1	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		18	Free fall	Integrated circuit card cold water meter CJ/T133-2012 7.15.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		19	flow durability	Integrated circuit card cold water meter CJ/T133-2012 7.16	Accredited Only for	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					: DN15~ DN50, (0.002~ 40)m³/h	
12	Electronic remote-reading water meter	1	Appearance and sealing devices	Electronic remote-reading water meter CJ/T224-2012 7.2		2025-12-05
		2	Technical characteristics	Electronic remote-reading water meter CJ/T224-2012 7.3		2025-12-05
		3	Function	Electronic remote-reading water meter CJ/T224-2012 7.4.1		2025-12-05
		4	Electromechanical conversion error	Electronic remote-reading water meter CJ/T224-2012 7.4.2		2025-12-05
		5	Electromechanical conversion reliability	Electronic remote-reading water meter CJ/T224-2012 7.4.3		2025-12-05
		6	Pressure loss	Electronic remote-reading water meter CJ/T224-2012 7.5		2025-12-05
		7	Static pressure	Electronic remote-reading water meter CJ/T224-2012 7.6		2025-12-05
		8	Relative error of indication	Electronic remote-reading water meter CJ/T224-2012 7.7	Accredited Only for : DN15~DN1000, (0.002~5551)m³/h	2025-12-05
		9	Dry heat	Electronic remote-reading water meter CJ/T224-2012 7.8.1	Accredited Only for : DN15~DN50, (0.002~	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					30)m³/h	
		10	Cold	Electronic remote-reading water meter CJ/T224-2012 7.8.2	Accredited Only for : DN15~DN50, (0.002~30)m³/h	2025-12-05
		11	Damp heat	Electronic remote-reading water meter CJ/T224-2012 7.8.3		2025-12-05
		12	Electrostatic discharge	Electronic remote-reading water meter CJ/T224-2012 7.9.1		2025-12-05
		13	Electromagnetic susceptibility	Electronic remote-reading water meter CJ/T224-2012 7.9.2		2025-12-05
		14	Magnetostatic field	Electronic remote-reading water meter CJ/T224-2012 7.9.3		2025-12-05
		15	Supply voltage change	Electronic remote-reading water meter CJ/T224-2012 7.10		2025-12-05
		16	Mechanical shock	Electronic remote-reading water meter CJ/T224-2012 7.11		2025-12-05
		17	Durability	Electronic remote-reading water meter CJ/T224-2012 7.12	Accredited Only for : DN15~DN50, (0.002~40)m³/h	2025-12-05
		18	Ingress protection	Electronic remote-reading water meter CJ/T224-2012 7.14		2025-12-05
13	Ultrasonic water meter	1	Appearance	Ultrasonic water meter CJ/T434-2013 7.2		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Technical characteristics	Ultrasonic water meter CJ/T434-2013 7.3		2025-12-05
		3	Indicating devices	Ultrasonic water meter CJ/T434-2013 7.4		2025-12-05
		4	Relative error of indication	Ultrasonic water meter CJ/T434-2013 7.5.1	Accredited Only for : DN15~DN1000, (0.002~5551)m ³ /h	2025-12-05
		5	Water temperature	Ultrasonic water meter CJ/T434-2013 7.5.2	Accredited Only for : DN15~DN400, (0.002~2000) m ³ /h	2025-12-05
		6	Water pressure	Ultrasonic water meter CJ/T434-2013 7.5.3		2025-12-05
		7	Reverse flow	Ultrasonic water meter CJ/T434-2013 7.5.4		2025-12-05
		8	Repeatability	Ultrasonic water meter CJ/T434-2013 7.6		2025-12-05
		9	Absence of flow	Ultrasonic water meter CJ/T434-2013 7.7		2025-12-05
		10	Static pressure test	Ultrasonic water meter CJ/T434-2013 7.8		2025-12-05
		11	Pressure loss	Ultrasonic water meter CJ/T434-2013 7.9		2025-12-05
		12	Supply voltage change	Ultrasonic water meter CJ/T434-2013 7.10		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Data protection for power failure	Ultrasonic water meter CJ/T434-2013 7.11.1		2025-12-05
		14	Electrical insulation	Ultrasonic water meter CJ/T434-2013 7.11.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		15	Ingress protection	Ultrasonic water meter CJ/T434-2013 7.11.3	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		16	Durability	Ultrasonic water meter CJ/T434-2013 7.12	Accredited Only for : DN15~ DN50, (0.002~ 40)m ³ /h	2025-12-05
		17	data storage	Ultrasonic water meter CJ/T434-2013 7.13		2025-12-05
		18	data communication	Ultrasonic water meter CJ/T434-2013 7.14		2025-12-05
		19	Dry heat	Ultrasonic water meter CJ/T434-2013 7.15.1	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		20	Cold	Ultrasonic water meter CJ/T434-2013 7.15.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		21	Damp heat	Ultrasonic water meter CJ/T434-2013 7.15.3	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		22	Cryogenic storage	Ultrasonic water meter CJ/T434-2013 7.15.4	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		23	Electrostatic discharge	Ultrasonic water meter CJ/T434-2013 7.16.1	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		24	Electromagnetic susceptibility	Ultrasonic water meter CJ/T434-2013 7.16.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		25	Magnetostatic field	Ultrasonic water meter CJ/T434-2013 7.16.3		2025-12-05
		26	Electrical Fast Transient	Ultrasonic water meter CJ/T434-2013 7.16.4	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		27	electrical surge	Ultrasonic water meter CJ/T434-2013 7.16.5		2025-12-05
		28	Mechanical shock	Ultrasonic water meter CJ/T434-2013 7.18.1	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		29	Free fall	Ultrasonic water meter CJ/T434-2013 7.18.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
14	Internet of things water meter	1	Appearance and sealing devices	Internet of things water meter CJ/T535-2018 6.2		2025-12-05
		2	Material and structure	Internet of things water meter CJ/T535-2018 6.3.1		2025-12-05
		3	Relative error of indication	Internet of things water meter CJ/T535-2018 6.3.2		2025-12-05
		4	Technical characteristics	Internet of things water meter CJ/T535-2018 6.3.3		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	Electromechanical conversion error	Internet of things water meter CJ/T535-2018 6.4.2		2025-12-05
		6	Function	Internet of things water meter CJ/T535-2018 6.5		2025-12-05
		7	Pressure loss	Internet of things water meter CJ/T535-2018 6.6		2025-12-05
		8	Static pressure	Internet of things water meter CJ/T535-2018 6.7		2025-12-05
		9	Dry heat	Internet of things water meter CJ/T535-2018 6.8	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for : DN15~ DN50, (0.002~ 30) m ³ /h	2025-12-05
		10	Cold	Internet of things water meter CJ/T535-2018 6.8	Test Location: No. 28, Qianfoshan East Road, Jinan City Accredited Only for: DN15~ DN50,	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					(0.002~30) m³/h	
		11	Damp heat	Internet of things water meter CJ/T535-2018 6.8	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		12	Electrostatic discharge	Internet of things water meter CJ/T535-2018 6.9	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		13	Electromagnetic susceptibility	Internet of things water meter CJ/T535-2018 6.9	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		14	Magnetostatic field	Internet of things water meter CJ/T535-2018 6.9		2025-12-05
		15	Battery interruption	Internet of things water meter CJ/T535-2018 6.10		2025-12-05
		16	Mechanical shock	Internet of things water meter CJ/T535-2018 6.11.1	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		17	Free fall	Internet of things water meter CJ/T535-2018 6.11.2	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
		18	Durability	Internet of things water meter CJ/T535-2018 6.12	Accredited Only for : DN15~ DN50, (0.002~ 40)m³/h	2025-12-05
		19	Ingress protection	Internet of things water meter CJ/T535-2018 6.14	Test Location: No. 28, Qianfoshan East Road, Jinan City	2025-12-05
08 Medical Devices						
0825 Medical Ionizing Radiation Equipment and Magnetic Resonance Equipment						
1	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-	1	Constructional requirements as related to performance	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 4.4		2025-12-05
		2	Relative intrinsic error	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 5.1		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	conductors as used in X-ray diagnostic imaging	3	Repeatability	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 5.2		2025-12-05
		4	Resolution of reading	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 5.3		2025-12-05
		5	Stabilization time	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 5.4		2025-12-05
		6	Effect of pulsed radiation on air kerma and air kerma length product	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 5.5		2025-12-05
		7	Reset on air kerma and air kerma length product ranges	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 5.5		2025-12-05
		8	Effects of leakage current	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 5.7		2025-12-05
		9	Stability	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 5.8		2025-12-05
		10	Measurements with a radioactive stability check device	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 5.9		2025-12-05
		11	Energy dependence of response	Medical electrical equipment-Dosimeters with ionization chambers and/orsemi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 6.1		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		12	Air kerma rate dependence of air kerma and air kerma length product measurements	Medical electrical equipment-Dosimeters with ionization chambers and/or semi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 6.2		2025-12-05
		13	Dependence of detector response on angle of incidence of radiation	Medical electrical equipment-Dosimeters with ionization chambers and/or semi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 6.3		2025-12-05
		14	Field size	Medical electrical equipment-Dosimeters with ionization chambers and/or semi-conductors as used in X-ray diagnostic imaging GB/T 19629-2005 6.9		2025-12-05



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The scope of the accreditation in Chinese remains the definitive version.