Scope of accreditation of the testing laboratory (center)

Centre of collective usage
Federal State Autonomous Educational Institution of Higher Education
«Ural Federal University named after the first President of Russia B.N.Yeltsin»
620002, 32 Mira street, Ekaterinburg, Russia, room R-045A
620002, 28 Mira street, Ekaterinburg, Russia, room H-333, H-334

Compliance with
GOST ISO/IEC 17025-2019 General requirements for the competence of testing and calibration laboratories

№ in order	Documents establishing the rules and methods of research (testing), measurements	Object name	OKPD code 2	Code TN VED EAEU	Defined characteristic (index)	Range of definition
1	2	3	4	5	6	7
620002, 32 Mira street, Ekaterinburg, Russia, room R-045A						
1	GOST EN 301 489-1 V1.9.2 (ETSI EN 301 489-1 V1.9.2)	Technical means of radio communication	26.20.00.000 26.30.00.000 26.40.50.000 26.40.00.000 26.51.00.000 26.60.00.000 26.70.00.000 27.12.00.000 27.51.00.000 27.90.10.000 27.90.20.000	8517 8518 8519 8525 8526 8527 8528 8531 8537	Radiated and conducted emissions in the frequency band 30 to 6000 MHz	Electromagnetic field strength – 0 to 160 dB (uV/m)
					Conducted industrial radio interference in the frequency band 150 kHz to 30 MHz	Voltage – 0 to 160 dB (uV); current – 0 to 160 dB (uA)
					Voltage fluctuations and flicker	Frequency band – 15 Hz to 3000 Hz; voltage – 10 V to 530 V
					Harmonic current emissions	Current consumption 40 mA to 140 A
					Immunity to radiated, radio-frequency electromagnetic field in the frequency bands 80 MHz to 1000 MHz and 1,4 GHz to 2,7 GHZ (test field strength – 1 V/m to 30 V/m)	conform/not conform (A-D)
					Immunity to electrostatic discharge (discharge amplitude: air – 1 kV to 16,5 kV; contact – 1 kV to 10 kV)	conform/not conform (A-D)

1	2	3	4	5	6	7
					Fast transient immunity (amplitude – 0,2 kV to 5,5 kV)	conform/not conform (A-D)
					Immunity to radio-frequncy interference (RMS voltage 1 V to 30 V)	conform/not conform (A-D)
					Immunity to voltage dips / interruptions in power supply (power supply test voltage – 0 to 260 V; exposure duration – 0,5 to 250 periods)	conform/not conform (A-D)
					Surge immunity (amplitude – 0,5 kV to 5 kV)	conform/not conform (A-D)
2	GOST R 51318.25 (CISPR 25:2008)	Electronic / electrical components intended for use in vehicles, trailers and devices with internal combustion engines	26.12.00.000 26.20.00.000 26.30.00.000 26.40.00.000 27.11.00.000 27.40.00.000 27.51.00.000 29.31.20.000 29.31.30.000	8511 8508 8509 8510 8512 8513 8517 8519 8521 8526 8527 8528 8530 8531	Radiated interference in the frequency band 0,15 kHz to 2500 MHz	Electromagnetic field strength – 0 to 160 dB (uV/m)
					Conducted interference in the frequency band 150 kHz to 30 MHz	Voltage – 0 to 160 dB (uV); current – 0 to 160 dB (uA)
3	GOST R 53325	Fire detection and fire alarm systems	26.30.50.000 26.30.60.000	8531	Radiated interference in the frequency band 150 kHz to 1 GHz	Voltage – 0 to 160 dB (uV); electromagnetic field strength – 0 to 160 dB (uV/m)
					Immunity to surge (amplitude – 0,5 kV to 5 kV)	conform/not conform (A-D)
					Immunity to electrical fast/burst (amplitude – 0,2 kV to 5,5 kV)	conform/not conform (A-D)
					Immunity to AC nonlinear distortion (distortion amplitude 0 to 35 V)	conform/not conform (A-D)
					Immunity to dynamic changes in the power supply voltage (power supply test voltage – 0 to 425 V; exposure duration – 0,5 to 1000 periods)	conform/not conform (A-D)

1	2	3	4	5	6	7
					Immunity to radiated, radio-frequency electromagnetic field in the frequency bands 80 MHz to 1000 MHz (test field strength – 1 V/m to 30 V/m)	conform/not conform (A-D)
					Immunity to electrostatic discharge (discharge amplitude: air – 1 kV to 16,5 kV; contact – 1 kV to 10 kV)	conform/not conform (A-D)
4	GOST IEC 61000-4-13 (IEC 61000-4-13)	Electrotechnical electronic and radio-electronic product and equipment	26.12.30.000 26.20.00.000 26.30.00.000 26.40.11.000 26.40.20.000 26.40.41.000 26.40.51.000 26.40.60.000 26.51.42.000 26.51.43.000 26.51.44.000 26.51.45.000 26.51.51.000 26.51.52.000 26.51.53.000 26.51.63.130 26.51.65.000 26.51.85.120 26.52.11.120 26.52.11.130 26.52.11.140 26.52.12.120 26.52.12.130 26.52.14.000 26.60.00.000 27.11.10.000 27.11.21.000 27.11.22.000 27.11.23.000 27.11.40.000 27.11.50.110 27.12.31.000 27.40.21.120 27.51.00.000 27.90.11.000 27.90.30.000	8414 8423 8433 8434 8443 8451 8452 8467 8469 8470 8471 8472 8474 8476 8504 8508 8509 8510 8512 8513 8515 8516 8517 8518 8519 8523 8525 8526 8527 8528 8530 8531 8537 8539 8543 8608	Immunity to harmonics and interharmonics, including signals transmitted over the mains, on the AC power port	Influence voltage at a rated power supply voltage of 230 V – 0 to 30% of nominal
5	GOST IEC 61000-4-14 (IEC 61000-4-14)	Electrical, electronic and radioelectronic product and equipment			Immunity to voltage fluctuations	Power supply test voltage – 0 to 300 V per phase

1	2	3	4	5	6	7
			27.90.31.110	9015		
			27.90.40.190	9018		
			27.90.70.000	9019		
			28.13.14.190	9021		
			28.23.00.000	9022		
			28.24.11.000	9026		
			28.25.12.130	9027		
			28.30.86.000	9028		
			28.29.30.000	9030		
			28.29.43.000	9032		
			28.93.12.000	9101		
			28.94.40.000	9102		
			28.99.39.150	9103		
			28.99.39.190	9105		
			32.20.14.000	9106		
			30.20.31.120	9207		
			30.20.40.180	9504		
			32.30.14.122			
			32.30.14.123			
			32.50.00.000			
620002, 28 Mira street, Ekaterinburg, Russia, room H-333, H-334						
6	M.251.004/01.00258/2019. Technique for recording ^{1}H NMR spectra of solutions of liquid and solid substances. Federal State Autonomous Educational Institution of Higher Education "Ural Federal University named after the first President of Russia B.N. Yeltsin"	Organic substances Organometallic substances	06.10.10 20.16.59 20.52.10.130 20.30.1 20.30.23.110 20.30.23.120 20.41.32.110 20.59.59.000 20.14.11 20.14.12	2900 3003 3004 3200 3300 3400 3500 3600 3800 3900	Relative chemical shift	^{1}H: (-10 ÷ 20) ppm
7	M.251.005/01.00258/2019 Technique for recording ^{13}C NMR spectra of solutions of liquid and solid substances. Federal State Autonomous Educational Institution of Higher Education "Ural Federal University named after the first President of Russia B.N. Yeltsin"		20.14.19 20.14.2 20.41.10 20.14.63.110 20.14.63.120 20.14.61.000 20.14.62.000 20.14.63.140 20.14.34 20.14.52.110	4000 5400 5500		^{13}C: (-50 ÷ 250) ppm

1	2	3	4	5	6	7
8	M.251.003/01.00258/2019 Method for recording IR transmission spectra and frustrated total internal reflection (ATR) of liquid and solid substances in the spectral range (4000-500) cm^{-1} with subsequent identification. Federal State Autonomous Educational Institution of Higher Education "Ural Federal University named after the first President of Russia B.N. Yeltsin"		20.14.33.390 20.14.34.190 20.14.51.110 20.14.4 20.13.25.120 20.14.44.110 20.14.51.190 20.59.52.192 20.59.52.193 20.59.52.194 20.59.52.199 20.59.52.191 10 21.10 21.20		Wavenumber	(4000 ÷ 500) cm^{-1}
9	Authentication method for Heparin sodium according to the European Pharmacopoeia (EUROPEAN PHARMACOPOEIA, 01/2020:0333) method C (nuclear magnetic resonance spectroscopy, 2.2.33)	Heparin sodium	21.20.10.131	3001909100	Presence and intensity of ^{1}H signals in the studied range	1H: (-1,5 ÷ 10,5) ppm

Director of the Center of collective usage UrFU V.S. Makarov

On the base of the power of attorney № 14-05/221 from 01.01.2021

Министерство науки и высшего образования Российской Федерации
Федеральное государственное автономное образовательное учреждение высшего образования
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ОГРН 1026604939855