



AREA OF ACCREDITATION

TESTING LABORATORY (GOST ISO/IEC 17025-2019)

Testing Center of Izhora Scientific and Technical Company, Limited Liability Company

name of testing laboratory

RA.RU.21ИЖ01

Number in the register of accredited persons

1. 196650, RUSSIA, Saint Petersburg, Kolpino, Finlandskaya str., 13, lit. BM, room 96-100, 102-106, 113, 114, 120-123, 144-146, 180, 181, 186, 189, 191, 193, 194, 199201, 209, 210, 375, 376, 398-400, 402, 406-409, 571, 572, 961, 962, 982..

business addresses

2. 196650, RUSSIA, Saint Petersburg, Kolpino, Izhorsky Zavod, w/n, room 3N, lit. EX, room 19, 59, 61..

business addresses

For compliance

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

name and details of the interstate or national standard

196650, RUSSIA, Saint Petersburg, Kolpino, Finlandskaya str., 13, lit. BM, room 96-100, 102-106, 113, 114, 120-123, 144-146, 180, 181, 186, 189, 191, 193, 194, 199- 201, 209, 210, 375, 376, 398-400, 402, 406-409, 571, 572, 961, 962, 982..

business addresses

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1. Testing (research), measurement of products						
1.1.	ASTM E381-2020; Other examinations (tests); Methods of other examinations (tests) without specification	Steel (steel billets);	24.10.2	-	Macrostructure defects: cracks, floccenes, porosity, liquidations, slag and non-metallic inclusions	availability/absence -

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.2.	GOST 16698.4; Chemical tests, physicochemical tests; photometric method	Manganese and manganese products, powders (metallic and nitrided manganese);	24.45.30.240	-	Mass fraction of phosphorus (P)	- 0.002 to 0.09 (%)
1.3.	GOST 16698.5, cl.5; Chemical tests, physico-chemical tests; gravimetric (weight) method	Manganese and manganese products, powders (metallic and nitrided manganese);	24.45.30.240	-	Mass fraction of silicon (Si)	- 0.5 to 2.5 (%)
1.4.	GOST 16698.5, cl.4; Chemical tests, physicochemical tests; photometric method	Manganese and manganese products, powders (metallic and nitrided manganese);	24.45.30.240	-	Mass fraction of silicon (Si)	- 0.1 to 2.5 (%)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.5	GOST 16698.6, cl.5; Chemical tests, physicochemical tests; photometric method	Manganese and manganese products, powders (metallic and nitrided manganese);	24.45.30.240	-	Mass fraction of iron (Fe)	- 0.1 to 3.5 (%)
1.6.	GOST 16698.6, cl.7; Chemical tests, physicochemical tests; titrimetric (volumetric) method	Manganese and manganese products, powders (metallic and nitrided manganese);	24.45.30.240	-	Mass fraction of iron (Fe)	- 0.5 to 3.5 (%)
1.7.	GOST 16698.11; Chemical tests, physicochemical tests; photometric method	Manganese and manganese products, powders (metallic and nitrided manganese);	24.45.30.240	-	Mass fraction of titanium (Ti)	- 0.005 to 0.10 (%)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.8.	GOST 21639.1, cl.2; Chemical tests, physico-chemical tests; gravimetric (weight) method	Fluxes (for electroslag remelting);	20.59.56.120	-	Mass fraction of hygroscopic moisture	- 0.5 to 5.0 (%)
1.9.	GOST 9087, cl.5.6; Chemical tests, physico-chemical tests; gravimetric (weight) method	Fluxes (welding fusions);	20.59.56.120	-	Humidity	- 0.02 to 0.2 (%)
1.10.	GOST 27611; Chemical tests, physicochemical tests; Atomic emission spectrometric method (AES)	Iron, pig iron, steel and ferroalloys (cas iron);	24.10	-	Mass fraction of vanadium (V)	- 0.010 to 0.5 (%)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.10.					Mass fraction of silicon (Si)	- 0.10 to 5.0 (%)
					Mass fraction of magnesium (Mg)	- 0.010 to 0.10 (%)
					Mass fraction of manganese (Mn)	- 0.10 to 2.0 (%)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.10.					Mass fraction of copper (Cu)	- 0.02 to 0.20 (%)
					Mass fraction of arsenic (As)	- 0.010 to 0.20 (%)
					Mass fraction of nickel (Ni)	- 0.010 to 0.5 (%)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.10.					Mass fraction of sulphur (S)	- 0.005 to 0.20 (%)
					Mass fraction of titanium (Ti)	- 0.010 to 0.10 (%)
					Mass fraction of phosphorus (P)	- 0.02 to 0.5 (%)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.10.					Mass fraction of chromium (Cr)	- 0.010 to 0.5 (%)
1.11.	GOST 31382, cl.5.6.4, 8.3, 10.3; Chemical tests, physicochemical tests;photometric method	Copper ;	24.44	-	Mass fraction of iron (Fe)	- 0.0005 to 0.1 (%)
					Mass fraction of copper (Cu)	- 99.00 to 99.90 (%)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.11.					Mass fraction of nickel (Ni)	- 0.0005 to 0.5 (%)
1.12.	GOST 27208, cl.3; Physical-mechanical; determination of strength	Cast iron (cast iron castings);	24.10.11.130	-	Bending moment resistance	- 100 to 300 (MPa)
2. Testing (research), measurements of industrial environment objects						
2.1.	MUK 4.3.2756-10; ;Measurement of parameters of physical factors; other methods of measurement of physical factors;	Production (working) environment	-	-	Intensity of thermal irradiation	- 10 to 350 (W/m ²)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
2.1.					Relative humidity	- 3 to 90 (%)
					Air velocity	- 0 to 1.0 (m/s)
					Air temperature	- -10 to 50 (°C)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
2.2.	GOST 31191.2; ;Measurement of parameters of physical factors; vibration measurement;	Production (working) environment	-	-	General vibration. Corrected value of vibration acceleration in the frequency range from 0.8 to 80 Hz	- 0.01 to 10 (m/s ²)
2.3.	MU 4945-88, cl.3.4; ; Chemical tests, physico-chemical tests; atomic absorption spectrometric method (AAS);	Work area air	-	-	Mass concentration of iron (Fe)	- 0.1 to 10 (mg/m ³)
					Mass concentration of manganese (Mn)	- 0.02 to 3 (mg/m ³)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
2.3.					Mass concentration of copper (Cu)	- 0.02 to 5 (mg/m ³)
					Mass concentration of nickel (Ni)	- 0.005 to 0.5 (mg/m ³)
					Mass concentration of lead (Pb)	- 0.007 to 0.7 (mg/m ³)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
2.3.					Mass concentration of chromium (VI) trioxide	- 0.005 to 5 (mg/m ³)
					Mass concentration of chromium (for chromium III)	- 0.1 to 10.0 (mg/m ³)
3. Testing (research), measurements of environmental objects						
3.1.	PND F 14.1:2:3:4.121-97 (2018 edition); Chemical testing, physicochemical tests; electrochemical method (all method groups)	Drinking water ; Natural water ; Wastewater ;	-	-	Hydrogen value (pH)	- 1 to 2.9 (pH units) 11.1 to 14 (pH units)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1. Testing (research), measurement of products						
1.1.	RD-19L00.00-KTN-001- 10; Non-destructive testing:ultrasonic reflected radiation method (echo method)	Steel (welded joints);	24.10.2	-	Number of imperfections	- 0 to 1000
					Coordinates of the non-flaw location	- 3 to 5000 (mm)
					Conditional extent of the non-continuity	- 1 to 5000 (mm)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.1.					Equivalent size of the non-continuity	- 0.3 to 24 (mm)
1.2.	RD-19.100.00-KTN-001- 10; Non-destructive testing; Magnetic powder method	Steel (welded joints);	24.10.2	-	Number of imperfections	- 0 to 1000
					Surface and sub-surface non-solidities	- availability/absence

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.2.					Size of the indicator trace of the non-flaw	- 0.5 to 1000 (mm)
1.3.	RD-19L00.00-KTN-001- 10; Non-destructive testing;non-destructive testing with penetrating agents. Capillary color method	Steel (welded joints);	24.10.2	-	Number of imperfections	- 0 to 1000
					Surface imperfections	- availability/absence

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.3.					Size of the indicator trace of the non-flaw	- 0.5 to 1000 (mm)
1.4.	STO 00220256-005- 2005; Non-destructive testing; Ultrasonic reflected radiation method (echo method)	Steel (joints of butt, angle and T-joint welded joints made of carbon and alloy steel);	24.10.2	-	Number of imperfections	- 0 to 1000
					Coordinates of the non-flaw location	- 3 to 5000 (mm)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.4.					Conditional extent of the non-continuity	- 1 to 5000 (mm)
					Equivalent size of the non-continuity	- 0.3 to 24 (mm)
1.5	OST 26-01; Non-destructive testing; magnetic particle method	Steel (welded joints of steel pressure vessels and apparatus);	24.10.2	-	Number of imperfections	- 0 to 1000

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.5					Surface and sub-surface non-solidities	availability/absence
					Size of the indicator trace of the non-flaw	- 0.5 to 1000 (mm)
1.6.	RD ROSEC-001- 96; Non-destructive testing; ultrasonic reflected radiation method (echo method)	Steel (welded joints, base metal); Copper or copper alloy semi-finished products (welded joints, base metal);	24.10.2;24.44.2	-	Number of imperfections	- 0 to 1000

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.6.					Coordinates of the location of non-flaws	- 3 to 5000 (mm)
					Conditional extent of the non-continuity	- 1 to 5000 (mm)
					Equivalent size of the non-continuity	- 0.3 to 24 (mm)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.7.	RD ROSEC-003- 97;Non-destructive testing; Magnetic powder method	Steel (welded joints, base metal);	24.10.2	-	Number of imperfections	- 0 to 1000
					Surface and subsurface non-surface imperfections	- availability/absence
					Size of the indicator trace of the non-flaw	- 0.5 to 1000 (mm)

Item No.	Documents establishing rules and methods of research (tests) and measurements	Name of object	OKPD CODE 2	EAEU CN of FEA CODE	Defined characteristic (Indicator)	Determination range
1.8.	RD ROSEC-004- 97; Non-destructive testing; Non-destructive testing by penetrating substances. Capillary color method	Steel (welded joints, base metal); Copper or copper alloy semi-finished products (welded joints, base metal);	24.10.2;24.44.2	-	Number of imperfections	0 to 1000
					Surface imperfections	availability/absence
					Size of the indicator trace of the non-flaw	0.5 to 1000 (mm)

Chief Executive Officer

Signed by electronic signature

T.I. Titova

position of authorized person

signature of authorized person

initials, surname of the authorized person