ACCREDIATION SCOPE

TESTING LABORATORY (GOST ISO/IEC 17025-2019)

Physicochemical analytical laboratory of the nano- and microelectronics manufacturing infrastructure department

testing laboratory name

RA.RU.21OE26

registry number of accredited entities

1. **Premises No. 1.20, 1.21, 1.22, Energy Building, Axes 14/B-17, A-G, Structure 6A, Building 6, Akademika Valieva Street, Zelenograd, Moscow, 124460, RUSSIA**
2. **Room 1708 (Archive), 17th floor, Structure 1, , Building 6, Akademika Valieva Street, Zelenograd, Moscow, 124460, RUSSIA**

addresses of activity locations

For compliance with

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

name and details of the interstate and national standard

Premises No. 1.20, 1.21, 1.22, Energy Building, Axes 14/B-17, A-G, Structure 6A, Building 6, Akademika Valieva Street, Zelenograd, Moscow, 124460, RUSSIA

addresses of activity locations

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
1. Product testing and measurment						
1.1.	001.2018/1 NIIME; Physicochemical testing, chemical testing; Titrimetric (volumetric) method	Various chemical products not included in other groupings	20.59.59.900	-	molar concentration equivalent (normality) of tetramethylammonium hydroxide	- From 0,26061 to 0,26161 mol/dm^3
1.2			20.59.59.900	-	Zinc (Zn)	-

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
	001 MICRON - 1/2014; Physicochemical testing, chemical testing; Mass spectrometry with detection of molecular and cluster ions, radicals	Various chemical products not included in other groupings				from 5 to 100 ng/L (ppt)
					Titanium (Ti)	- from 5 to 100 ng/L (ppt)
					Silver (Ag)	- from 5 to 100 ng/L (ppt)
					Tin (Sn)	- from 5 to 100 ng/L (ppt)
					Sodium (Na)	- from 5 to 100 ng/L (ppt)
					Copper (Cu)	- from 5 to 100 ng/L (ppt)
					Magnesium (Mg)	- from 5 to 100 ng/L (ppt)
					Cobalt (Co)	- from 5 to 100 ng/L (ppt)
					Potassium (K)	- from 5 to 100 ng/L (ppt)
					Gold (Au)	- from 5 to 100 ng/L (ppt)
					Germanium (Ge)	- from 5 to 100 ng/L (ppt)
					Tungsten (W)	- from 5 to 100 ng/L (ppt)
					Vanadium (V)	- from 5 to 100 ng/L (ppt)
					Aluminum (Al)	- from 5 to 100 ng/L (ppt)
					Barium (Ba)	- from 5 to 100 ng/L (ppt)
					Beryllium (Be)	- from 5 to 100 ng/L (ppt)

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
					Boron (B)	- from 20 to 100 ng/L (ppt)
					Bismuth (Bi)	- from 5 to 100 ng/L (ppt)
					Gallium (Ga)	- from 5 to 100 ng/L (ppt)
					Iron (Fe)	- from 5 to 100 ng/L (ppt)
					Cadmium (Cd)	- from 5 to 100 ng/L (ppt)
					Calcium (Ca)	- from 5 to 100 ng/L (ppt)
					Lithium (Li)	- from 5 to 100 ng/L (ppt)
					Manganese (Mn)	- from 5 to 100 ng/L (ppt)
					Molybdenum (Mo)	- from 5 to 100 ng/L (ppt)
					Arsenic (As)	- from 5 to 100 ng/L (ppt)
					Nickel (Ni)	- from 5 to 100 ng/L (ppt)
					Platinum (Pt)	- from 5 to 100 ng/L (ppt)
					Lead (Pb)	- from 5 to 100 ng/L (ppt)
					Antimony (Sb)	- from 5 to 100 ng/L (ppt)
					Chromium (Cr)	- from 5 to 100 ng/L (ppt)

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
1.3.	004.2018/1 NIIME; Physicochemical testing, chemical testing; Titrimetric (volumetric) method	Various chemical products not included in other groupings	20.59.59.900	-	mass fraction of carbonates (carbonate and bicarbonate ions expressed as carbonate ion)	from 0,00500 to 0,01500 wt %
1.4.	005.2018/1 NIIME; Physicochemical testing, chemical testing; Titrimetric (volumetric) method	Various chemical products not included in other groupings	20.59.59.900	-	mass fraction of ammonium fluoride	from 3,000 to 4,000 wt %
					mass fraction of hydrofluoric acid	from 0,5000 to 0,7000 wt %
1.5.	007.2019/1 NIIME; Physicochemical testing, chemical testing; Titrimetric (volumetric) method	Various chemical products not included in other groupings	20.59.59.900	-	mass fraction of phosphates	from 5 to 200 µg/dm^3
					mass fraction of nitrates	from 5 to 200 µg/dm^3
					mass fraction of sulfates	from 60 to 200 µg/dm^3
					mass fraction of chlorides	from 10 to 200 µg/dm^3
1.6.	008.2018/1 NIIME; Physicochemical testing, chemical testing; Visual	Various chemical products not included in other groupings	20.59.59.900	-	Hazen color chromaticity (according to Hazen)	from 2 to 10 HU
1.7.	RKTV.MI.OV-001; Physicochemical testing, chemical testing; Titrimetric (volumetric) method	Various chemical products not included in other groupings	20.59.59.900	-	mass fraction of main substance (nitric acid)	from 65,00 to 73,00 wt %
1.8.	RKTV.MI.OV-002; Physicochemical testing, chemical testing; Titrimetric (volumetric) method	Various chemical products not included in other groupings	20.59.59.900	-	mass fraction of main substance (hydrogen chloride)	from 33,00 to 38,00 wt %

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
1.9.	RKVT.MI.OV-003; Physicochemical testing, chemical testing; Titrimetric (volumetric) method	Various chemical products not included in other groupings	20.59.59.900	-	mass fraction of main substance (sulfuric acid)	from 95,00 to 98,00 wt %
1.10.	RKVT.MI.OV-004; Physicochemical testing, chemical testing; Titrimetric (volumetric) method	Various chemical products not included in other groupings	20.59.59.900	-	mass fraction of main substance (hydrogen fluoride)	from 45,00 to 51,00 wt %
1.11.	RKVT.MI.K-007; Physicochemical testing, chemical testing; Mass spectrometry with detection of molecular and cluster ions, radicals	Various chemical products not included in other groupings	20.59.59.900	-	Zinc (Zn)	- from 200 to 1500 ng/L (ppt)
					Vanadium (V)	- from 900 to 1500 ng/L (ppt)
					Chromium (Cr)	- from 100 to 1500 ng/L (ppt)
					Thallium (Tl)	- from 100 to 1500 ng/L (ppt)
					Strontium (Sr)	- from 100 to 1500 ng/L (ppt)
					Silver (Ag)	- from 100 to 1500 ng/L (ppt)
					Platinum (Pt)	- from 100 to 1500 ng/L (ppt)
					Niobium (Nb)	- from 100 to 1500 ng/L (ppt)
					Natrium (Na) Sodium (Na)	- from 100 to 1500 ng/L (ppt)
					Molybdenum (Mo)	- from 100 to 1500 ng/L (ppt)
					Manganese (Mn)	- from 100 to 1500 ng/L (ppt)
					Lithium (Li)	-

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
						from 100 to 1500 ng/L (ppt)
					Calcium (Ca)	- from 100 to 1500 ng/L (ppt)
					Cadmium (Cd)	- from 100 to 1500 ng/L (ppt)
					Gold (Au)	- from 100 to 1500 ng/L (ppt)
					Germanium (Ge)	- from 100 to 1500 ng/L (ppt)
					Bismuth (Bi)	- from 100 to 1500 ng/L (ppt)
					Beryllium (Be)	- from 100 to 1500 ng/L (ppt)
					Aluminum (Al)	- from 100 to 1500 ng/L (ppt)
					Barium (Ba)	- from 100 to 1500 ng/L (ppt)
					Boron (B)	- from 100 to 1500 ng/L (ppt)
					Gallium (Ga)	- from 100 to 1500 ng/L (ppt)
					Iron (Fe)	- from 100 to 1500 ng/L (ppt)
					Indium (In)	- from 100 to 1500 ng/L (ppt)
					Potassium (K)	- from 100 to 1500 ng/L (ppt)
					Cobalt (Co)	- from 100 to 1500 ng/L (ppt)
					Magnesium (Mg)	- from 100 to 1500 ng/L (ppt)

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
					Arsenic (As)	- from 100 to 1500 ng/L (ppt)
					Nickel (Ni)	- from 100 to 1500 ng/L (ppt)
					Tin (Sn)	- from 100 to 1500 ng/L (ppt)
					Lead (Pb)	- from 100 to 1500 ng/L (ppt)
					Selenium (Se)	- from 200 to 1500 ng/L (ppt)
					Antimony (Sb)	- from 100 to 1500 ng/L (ppt)
					Tantalum (Ta)	- from 100 to 1500 ng/L (ppt)
					Zirconium (Zr)	- from 100 to 1500 ng/L (ppt)
					Titanium (Ti)	- from 100 to 1500 ng/L (ppt)
1.12.	RKVT.MI.K-007; Physicochemical testing, chemical testing; Mass spectrometry with detection of molecular and cluster ions, radicals	Various chemical products not included in other groupings	20.59.59.900	-	Zirconium (Zr)	- from 10 to 1000 ng/L (ppt)
					Thallium (Tl)	- from 10 to 1000 ng/L (ppt)
					Strontium	- from 10 to 1000 ng/L (ppt)
					Silver (Ag)	- from 10 to 1000 ng/L (ppt)
					Platinum (Pt)	- from 10 to 1000 ng/L (ppt)
					Natrium (Na) Sodium (Na)	- from 10 to 1000 ng/L (ppt)
					Molybdenum (Mo)	-

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
						from 10 to 1000 ng/L (ppt)
					Manganese (Mn)	- from 10 to 1000 ng/L (ppt)
					Cobalt (Co)	- from 10 to 1000 ng/L (ppt)
					Indium (In)	- from 10 to 1000 ng/L (ppt)
					Gallium (Ga)	- from 10 to 1000 ng/L (ppt)
					Beryllium (Be)	- from 10 to 1000 ng/L (ppt)
					Tin (Sn)	- from 20 to 1000 ng/L (ppt)
					Magnesium (Mg)	- from 20 to 1000 ng/L (ppt)
					Chromium (Cr)	- from 50 to 1000 ng/L (ppt)
					Vanadium (V)	- from 50 to 1000 ng/L (ppt)
					Titanium (Ti)	- from 10 to 1000 ng/L (ppt)
					Boron (B)	- from 100 to 400 ng/L (ppt)
					Aluminum (Al)	- from 100 to 400 ng/L (ppt)
					Potassium (K)	- from 100 to 400 ng/L (ppt)
					Calcium (Ca)	- from 50 to 1000 ng/L (ppt)
					Zinc (Zn)	- from 50 to 1000 ng/L (ppt)

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
					Nickel (Ni)	- from 20 to 1000 ng/L (ppt)
					Barium (Ba)	- from 10 to 1000 ng/L (ppt)
					Bismuth (Bi)	- from 10 to 1000 ng/L (ppt)
					Iron (Fe)	- from 10 to 1000 ng/L (ppt)
					Cadmium (Cd)	- from 10 to 1000 ng/L (ppt)
					Lithium (Li)	- from 10 to 1000 ng/L (ppt)
					Copper (Cu)	- from 10 to 1000 ng/L (ppt)
					Arsenic (As)	- from 10 to 1000 ng/L (ppt)
					Niobium (Nb)	- from 10 to 1000 ng/L (ppt)
					Lead (Pb)	- from 10 to 1000 ng/L (ppt)
					Antimony (Sb)	- from 10 to 1000 ng/L (ppt)
					Tantalum (Ta)	- from 10 to 1000 ng/L (ppt)
1.13.	RKVT.MI.V-018; Physicochemical testing, chemical testing; other physicochemical and chemical research methods, including “dry chemistry tests”	Various chemical products not included in other groupings	20.59.59.900	-	mass fraction of water	from 0,0100 to 0,500 wt %
1.14.	RKVT.MI.K-030; Physicochemical testing, chemical testing; Mass	Various chemical products not	20.59.59.900	-	Boron (B)	from 1 to 100 µg/dm^3
					Boron (B)	from 20 to 100 µg/dm^3

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
	spectrometry with detection of molecular and cluster ions, radicals	included in other groupings			Zinc (Zn)	from 3 to 100 μg/dm^3
					Nickel (Ni)	from 3 to 100 μg/dm^3
					Molybdenum (Mo)	- from 3 to 100 ng/L (ppt)
					Calcium (Ca)	- from 3 to 100 ng/L (ppt)
					Germanium (Ge)	- from 3 to 100 ng/L (ppt)
					Zirconium (Zr)	- from 1 to 100 ng/L (ppt)
					Tantalum (Ta)	- from 1 to 100 ng/L (ppt)
					Antimony (Sb)	- from 1 to 100 ng/L (ppt)
					Silver (Ag)	- from 1 to 100 ng/L (ppt)
					Platinum (Pt)	- from 1 to 100 ng/L (ppt)
					Niobium (Nb)	- from 1 to 100 ng/L (ppt)
					Copper (Cu)	- from 1 to 100 ng/L (ppt)
					Magnesium (Mg)	- from 1 to 100 ng/L (ppt)
					Cadmium (Cd)	- from 1 to 100 ng/L (ppt)
					Gold (Au)	- from 1 to 100 ng/L (ppt)
					Tungsten (W)	- from 1 to 100 ng/L (ppt)
					Beryllium (Be)	-

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
						from 1 to 100 ng/L (ppt)
					Aluminum (Al)	- from 1 to 100 ng/L (ppt)
					Barium (Ba)	- from 1 to 100 ng/L (ppt)
					Bismuth (Bi)	- from 1 to 100 ng/L (ppt)
					Gallium (Ga)	- from 1 to 100 ng/L (ppt)
					Indium (In)	- from 1 to 100 ng/L (ppt)
					Lithium (Li)	- from 1 to 100 ng/L (ppt)
					Manganese (Mn)	- from 1 to 100 ng/L (ppt)
					Natrium (Na) Sodium (Na)	- from 1 to 100 ng/L (ppt)
					Tin (Sn)	- from 1 to 100 ng/L (ppt)
					Lead (Pb)	- from 1 to 100 ng/L (ppt)
					Strontium (Sr)	- from 1 to 100 ng/L (ppt)
					Thallium (Tl)	- from 1 to 100 ng/L (ppt)
					Chromium (Cr)	- from 1 to 100 ng/L (ppt)
					Vanadium (V)	- from 3 to 100 ng/L (ppt)
					Potassium (K)	-

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
						from 3 to 100 ng/L (ppt)
					Cobalt (Co)	- from 3 to 100 ng/L (ppt)
					Arsenic (As)	- from 3 to 100 ng/L (ppt)
					Titanium (Ti)	- from 3 to 100 ng/L (ppt)
					Iron (Fe)	- from 5 to 100 ng/L (ppt)
1.15.	RKVT.MI.A-028; Physicochemical testing, chemical testing; ion-exchange liquid chromatography	Various chemical products not included in other groupings	20.59.59.900	-	mass concentration of phosphate ions	- from 10 to 150 ng/L (ppt)
					mass concentration of nitrate ions	- from 10 to 150 ng/L (ppt)
					mass concentration of nitrite ions	- from 10 to 150 ng/L (ppt)
					mass concentration of fluoride ions	- from 10 to 150 ng/L (ppt)
					mass concentration of chloride ions	- from 10 to 150 ng/L (ppt)
					mass concentration of bromide ions	- from 10 to 150 ng/L (ppt)
					mass concentration of sulfate ions	- from 10 to 150 ng/L (ppt)
1.16.	RKVT.MI.A-027; Physicochemical testing, chemical testing; ion-exchange liquid chromatography	Various chemical products not included in other groupings	20.59.59.900	-	mass concentration of calcium ions	- from 5 to 150 ng/L (ppt)
					mass concentration of potassium ions	- from 5 to 150 ng/L (ppt)
					mass concentration of sodium ions	- from 5 to 150 ng/L (ppt)
					mass concentration of lithium ions	- from 5 to 150 ng/L (ppt)

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
					mass concentration of ammonium ions	- from 5 to 150 ng/L (ppt)
					mass concentration of magnesium ions	- from 5 to 150 ng/L (ppt)
1.17.	RKVT.MI.Si-029; Physicochemical testing, chemical testing; Atomic absorption spectrometry	Various chemical products not included in other groupings	20.59.59.900	-	mass concentration of silicon	- from 0,3 to 3,0 µg/dm^3
1.18.	RKVT.MI.K-005; Physicochemical testing, chemical testing; Mass spectrometry with detection of molecular and cluster ions, radicals	Various chemical products not included in other groupings	20.59.59.900	-	Calcium (Ca)	- from 30 to 150 ng/L (ppt)
					Zirconium (Zr)	- from 20 to 150 ng/L (ppt)
					Chromium (Cr)	- from 20 to 150 ng/L (ppt)
					Tantalum (Ta)	- from 20 to 150 ng/L (ppt)
					Strontium (Sr)	- from 20 to 150 ng/L (ppt)
					Antimony (Sb)	- from 20 to 150 ng/L (ppt)
					Tin (Sn)	- from 20 to 150 ng/L (ppt)
					Nickel (Ni)	- from 20 to 150 ng/L (ppt)
					Arsenic (As)	- from 20 to 150 ng/L (ppt)
					Copper (Cu)	- from 20 to 150 ng/L (ppt)
					Magnesium (Mg)	- from 20 to 150 ng/L (ppt)
					Cobalt (Co)	-

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
						from 20 to 150 ng/L (ppt)
					Cadmium (Cd)	- from 20 to 150 ng/L (ppt)
					Gold (Au)	- from 20 to 150 ng/L (ppt)
					Germanium (Ge)	- from 20 to 150 ng/L (ppt)
					Bismuth (Bi)	- from 20 to 150 ng/L (ppt)
					Beryllium (Be)	- from 20 to 150 ng/L (ppt)
					Aluminum (Al)	- from 20 to 150 ng/L (ppt)
					Barium (Ba)	- from 20 to 150 ng/L (ppt)
					Vanadium (V)	- from 20 to 150 ng/L (ppt)
					Gallium (Ga)	- from 20 to 150 ng/L (ppt)
					Iron (Fe)	- from 20 to 150 ng/L (ppt)
					Indium (In)	- from 20 to 150 ng/L (ppt)
					Potassium (K)	- from 20 to 150 ng/L (ppt)
					Lithium (Li)	- from 20 to 150 ng/L (ppt)
					Manganese (Mn)	- from 20 to 150 ng/L (ppt)
					Molybdenum (Mo)	- from 20 to 150 ng/L (ppt)

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
					Natrium (Na)	- from 20 to 150 ng/L (ppt)
					Niobium (Nb)	- from 20 to 150 ng/L (ppt)
					Platinum (Pt)	- from 20 to 150 ng/L (ppt)
					Silver (Ag)	- from 20 to 150 ng/L (ppt)
					Antimony (Sb)	- from 20 to 150 ng/L (ppt)
					Thallium (Tl)	- from 20 to 150 ng/L (ppt)
					Titanium (Ti)	- from 20 to 150 ng/L (ppt)
					Zinc (Zn)	- from 20 to 150 ng/L (ppt)
					Boron (B)	- from 20 to 150 ng/L (ppt)
1.19.	RKVT.MI.K-006; Physicochemical testing, chemical testing; Mass spectrometry with detection of molecular and cluster ions, radicals	Various chemical products not included in other groupings	20.59.59.900	-	Iron (Fe)	- from 50,0 to $15{,}0 \cdot 10^3$ ng/L (ppt)
					Titanium (Ti)	- from 50,0 to $15{,}0 \cdot 10^3$ ng/L (ppt)
					Strontium (Sr)	- from 50,0 to $15{,}0 \cdot 10^3$ ng/L (ppt)
					Tin (Sn)	- from 50,0 to $15{,}0 \cdot 10^3$ ng/L (ppt)
					Arsenic (As)	- from 50,0 to $15{,}0 \cdot 10^3$ ng/L (ppt)
					Cobalt (Co)	- from 50,0 to $15{,}0 \cdot 10^3$ ng/L (ppt)
					Indium (In)	-

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
						from 50,0 to 15,0·10³ ng/L (ppt)
					Gallium (Ga)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Beryllium (Be)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Barium (Ba)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Bismuth (Bi)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Gold (Au)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Calcium(Ca)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Manganese (Mn)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Natrium (Na) Sodium (Na)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Platinum (Pt)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Antimony (Sb)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Chromium (Cr)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Zirconium (Zr)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Tantalum (Ta)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Silver (Ag)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Niobium (Nb)	-

№	Documents establishing rules and methods of testing and measurement	Name of the object	RCPEA	EAEU HS code	Measured characteristic	Determination range
						from 50,0 to 15,0·10³ ng/L (ppt)
					Molybdenum (Mo)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Lithium (Li)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Cadmium (Cd)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Germanium (Ge)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Boron (B)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Aluminum (Al)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Vanadium (V)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Potassium (K)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Magnesium (Mg)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Copper (Cu)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Nickel (Ni)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Lead (Pb)	- from 50,0 to 15,0·10³ ng/L (ppt)
					Zinc (Zn)	- from 50,0 to 15,0·10³ ng/L (ppt)

Chief Executive Officer	Signed with an electronic signature	Kravtsov A.S.
position of the authorized person	signature of the authorized person	authorized person (last name and initials)