

## SPECIFICAȚII TEHNICE

Numărul licitației: <b>ocds-b3wdp1-MD-1645711689480</b>					Data: <b>24.03.2022</b>		
Denumirea licitației: <b>Achiziționarea reactivi și consumabile pentru LCCM fizico-chimie</b>					Pagina 1 din 4		
Nr. d/o	Denumirea bunurilor și specificația tehnică deplină solicitată	Modelul articolu- lui	Țara de origine	Producătorul	Specificarea tehnică deplină	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință
2	Silver nitrate	SINA-00A-100	Spania	LabBox	99,0-100,5%; white or almost white, crystalline powder or transparent, colourless crystals; very soluble in water, soluble in ethanol (96 per cent); Foreign salts: max. 0.3%; Aluminium, lead, copper and bismuth- comply Ph.Eur.; Storage: in a nonmetallic container, protected from light. Ambalaj:100g.	SILVER NITRATE AGR ACS; Assay 99.9% amb. 100g; Clarity of solution Passes test Substances insoluble in water (H2O) 0.003% Silver (Ag) ≥ 63.4%; Chloride (Cl-) ≤ 0.0001%; Substances not precipitated by HCl ≤ 0.01%; pH 3.8 ; Water (H2O) ≤ 0.05%; Iron (Fe) ≤ 0.0001% ; Calcium (Ca) ≤ 0.0005% ; Copper (Cu) ≤ 0.0001% ; Nitrites (NO2) ≤ 0.0002% ; Lead (Pb) 0.0002%	
3	Sodium hydroxide	SOHY-MOP-1K0	Spania	LabBox	Conform Ph.Eur.; Content: 97.0 to 100.5%; (CO32-)-max. 2.0%; (Cl-)-max. 200ppm; (SO42-)-max. 200ppm; (Fe)-max. 10ppm; Ambalaj: 1 kg	SODIUM HYDROXIDE AGR MICROPEARLS LOW IN METALS ; Assay ≥ 99.0% ; Arsenic (As) ≤ 0.00006% ; Calcium (Ca) ≤ 0.001% ; Iron (Fe) ≤ 0.001% ; Mercury (Hg) ≤ 0.00005% ; Nickel (Ni) ≤ 0.001% ; Lead (Pb) ≤ 0.00005% ; Sodium chloride (NaCl) ≤ 0.02% ; Sodium carbonate (Na2CO3) ≤ 0.4% ; Chromium (Cr) ≤ 0.0002% ; Silicon (Si) ≤ 0.002% ; Sodium sulfate (Na2SO4) ≤ 0.012% ; amb. 1 kg	
8	Phosphoric acid	ORAC-0IA-1K0	Spania	LabBox	84,0-90,0% m/m; Cloruri: max.50 ppm; Sulfăți: max.100ppm; Fier: max.50ppm; conform Ph.Eur. Ambalaj: 1 L	ORTOPHOSPHORIC ACID 85% AGR ACS, ISO, PHEUR.; Assay ≥ 85% ; Volatile acids 0.001% ; Substances reducing KMnO4 0.001% ; Chloride (Cl-) 0.0002% ; Antimony (Sb) 0.0002% ; Colour (Hazen) 10 ; Fluoride (F) 0.0001% ; Nitrates (NO3) 0.0003% ; Phosphorous acid (H3PO3) 0.002% ; Sulfates (SO4) 0.003% ; Silica (SiO2) 0.025% ; Nickel (Ni) 0.0001% ; Iron (Fe) 0.0005% ; Heavy metals (Pb) 0.0005% ; Calcium (Ca) 0.005% ; Copper (Cu) 0.0001% ; Manganese (Mn) 0.00005% ; Cobalt (Co) 0.0001% ; Magnesium (Mg) 0.001% ; Sodium (Na) 0.025% ; Potassium (K) 0.0005% ; Arsenic (As) 0.00005% ; Lead (Pb) 0.0001% ; Cadmium (Cd) 0.0001% ; Zinc (Zn) 0.0002% ; Amb. 1 lit	
11	Buffer solution pH 4.01	PHBW-004-500	Spania	LabBox	pH 4,01 (25°C). Ambalaj: 0,5 L	LABKEM PH BUFFER SOLUTION WITH MEASURING CHAMBER pH 4,00 ± 0,01 (20 °C)	
12	Buffer solution pH 10.01	PHBW-010-500	Spania	LabBox	pH 10,01 (25°C). Ambalaj: 0,5 L	LABKEM PH BUFFER SOLUTION WITH MEASURING CHAMBER pH 10,00 ± 0,01 (20 °C)	

13	Buffer solution pH 7.00	PHBW-007-500	Spania	LabBox	pH 7,00 (25°C). Ambalaj: 0,5 L	LABKEM PH BUFFER SOLUTION WITH MEASURING CHAMBER pH 7,00 ± 0,01 (20 °C)
14	Buffer solution pH 1.68	PHBW-002-500	Spania	LabBox	pH 1,68 (25°C). Ambalaj: 1 L	LABKEM PH BUFFER SOLUTION WITH MEASURING CHAMBER pH 1,68 ± 0,01 (20 °C)
39	Potassium dihydrogen phosphate	PODP-00A-500	Spania	LabBox	conform Ph.Eur; 98,0-100,5%(dried substance); Cloruri: max.200ppm; Sulfați: max.300ppm; Arsenic: max.2ppm; Fier: max.10ppm; Pierdere prin uscare: max.2,0%; Ambalaj: 1 kg	POTASSIUM DIHYDROGEN PHOSPHATE AGR ACS Assay ≥ 99.5% ; pH (5% water) 4.3-4.5 ; Substances insoluble in water (H2O) ≤ 0.01% ; Chloride (Cl-) ≤ 0.0005% ; Total Nitrogen ≤ 0.001% ; Loss on drying ≤ 0.2% ; Iron (Fe) ≤ 0.001% ; Heavy metals (Pb) ≤ 0.001% ; Sulfates (SO4) ≤ 0.002% ; Sodium (Na) ≤ 0.02% ; Amb. 0,5 kg
40	di-Potassium hydrogen phosphate	POHP-00A-500	Spania	LabBox	98.0 - 101.0 % (dried substance); Monopotassium phosphate: maximum 2.5%; Chlorides: maximum 200 ppm; Sulfates: maximum 0.1 % ; Iron: maximum 10 ppm; Sodium: maximum 0.1 % ; Loss on drying: maximum 2.0 per cent. Ambalaj: 1kg	DI-POTASSIUM HYDROGEN PHOSPHATE ANHYDROUS AGR ; Appearance Colourless crystals or powder ; Assay ≥ 99% ; Substances insoluble in water (H2O) ≤ 0.01% ; Loss on drying ≤ 1.0% ; pH (5% water, 20°C) 8.5-9.6 ; Total Nitrogen ≤ 0.002% ; Chloride (Cl-) ≤ 0.005% ; Sulfates (SO4) ≤ 0.005% ; Heavy metals (Pb) ≤ 0.001% ; Arsenic (As) ≤ 0.0002% ; Iron (Fe) ≤ 0.001% ; Sodium (Na) ≤ 0.5% ; Amb. 0,5 kg
42	Sodium dihydrogen phosphate	SODH-00A-500	Spania	LabBox	99.0-101.0%. Ambalaj: 1 kg	SODIUM DIHYDROGEN PHOSPHATE ANHYDROUS AGR; Assay ≥ 99% ; Appearance White powder ; Substances insoluble in water (H2O) ≤ 0.005% ; pH (5% water, 20°C) 4-4.5 ; Chloride (Cl-) ≤ 0.003% ; Iron (Fe) ≤ 0.003% ; Heavy metals (Pb) ≤ 0.002% ; Calcium (Ca) ≤ 0.005% ; Sulfates (SO4) ≤ 0.005% ; Copper (Cu) ≤ 0.005% ; Potassium (K) ≤ 0.03% ; Zinc (Zn) ≤ 0.005% ; Amb. 0,5 kg
56	Conductivity solution 84mkS/cm	COSS-084-500	Spania	LabBox	84mkS/cm (25°C). Ambalaj: 0,25 L	LABKEM CONDUCTIVITY SOLUTION ; Tolerance ±1% of the declared value. Certificates traceable to SRM from NIST. 84 μS/cm (25 °C)
63	NaCl	SOCH-00A-1K0	Spania	LabBox	Content: 99.0% to 100.5%; Acidity or alkalinity conform Ph.Eur.; Bromides: maximum 100 ppm; Ferrocyanides conform Ph.Eur.; Iodides conform Ph.Eur. ; Nitrites conform Ph.Eur. Phosphates: maximum 25 ppm; Sulfates: maximum 200 ppm; Aluminium: maximum 0.2 ppm; Arsenic: maximum 1 ppm; Barium conform Ph.Eur.; Iron: maximum 2 ppm, determined on solution S; Magnesium and alkalineearth metals: maximum 100 ppm; Potassium: maximum 500 ppm; Loss on drying: maximum 0.5 per cent; Ambalaj: 1kg	SODIUM CHLORIDE AGR ; Appearance Colourless crystals / white powder ; Assay ≥ 99.9% ; Iron (Fe) ≤ 0.0005% ; Substances insoluble in water (H2O) ≤ 0.005% ; pH (5% water, 20°C) 5.0 – 8.0 ; Loss on roasting ≤ 1.0% ; Nitrogen (N) ≤ 0.001% ; Halides (Br-, I-, F-) ≤ 0.1% ; Sulfates (SO4) ≤ 0.003% ; Heavy metals ≤ 0.0005% ; Potassium (K) ≤ 0.03% ; Arsenic (As) ≤ 0.00005% ; Barium (Ba) ≤ 0.003% ; Calcium (Ca) ≤ 0.004% ; Magnesium (Mg) ≤ 0.002% ; Absence of Cu and Ni Passes test; Amb. 1 kg

66	Potassium iodide	POIO-00A-1K0	Spania	LabBox	99,0-100,5%(dried subst); Iodates: conform Ph.Eur; Sulfates: max.150ppm; Thiosulfates: conform Ph.Eur; Iron: max.20ppm; Loss on drying: max.1,0%. Ambalaj: 1kg	POTASSIUM IODIDE AGR ISO; Appearance White granular material of varying particle size with free flowing characteristics ; Odour Odourless ; Assay $\geq 99\%$ ; Substances insoluble in water (H2O) $\leq 0.005\%$ ; pH (5% water) 6-9.2 ; Loss on drying (150 °C) 0.2% ; Iodates (IO3) 0.0003% ; Chloride (Cl-) and Bromide (Br-) (by Cl) 0.01% ; Sulfates (SO4) 0.005% ; Nitrogen (N) compounds 0.001% ; Heavy metals (Pb) 0.0005% ; Phosphate (PO4) 0.001% ; Barium (Ba) 0.002% ; Calcium (Ca) 0.002% ; Sodium (Na) 0.005% ; Magnesium (Mg) 0.001% ; Iron (Fe) 0.0003% ; Organic volatile impurities conforms; 1kg
68	Ammonium chloride	AMCH-00A-500	Spania	LabBox	conform PhEur; 99.0 % to 100.5 % (dried substance); Bromides and iodides: comply; Sulfates: maximum 150 ppm; Calcium: maximum 200 ppm; Iron: maximum 20 ppm; Loss on drying: maximum 1.0%; Sulfated ash: maximum 0.1%. Ambalaj: 500 g	AMMONIUM CHLORIDE AGR; Assay $\geq 99.5\%$ ; Chlorate (ClO3) $\leq 0.0005\%$ ; Substances insoluble in water (H2O) $\leq 0.005\%$ ; Bromide (Br-) and Iodide (I-) $\leq 0.001\%$ ; Thiocyanate (SCN) $\leq 0.005\%$ ; Nitrates (NO3) $\leq 0.0006\%$ ; Phosphate (PO4) $\leq 0.001\%$ ; Iron III (Fe (III)) $\leq 0.0005\%$ ; Sulfates (SO4) $\leq 0.002\%$ ; Residue on roasting (SO4) $\leq 0.05\%$ ; Heavy metals (Pb) $\leq 0.0005\%$ ; Organic substances Passes test; Calcium (Ca) $\leq 0.001\%$ ; Magnesium (Mg) $\leq 0.001\%$ ; Arsenic (As) $\leq 0.00005\%$
83	Nessler cylinder	NTB3-P50-010	Spania	LabBox	50ml - Class A - Borosilicate Glass - for Colorimetric Analysis	NESSLER TUBE FOR COLORIMETER PREMIUM LINE ; Made of top quality 3.3 borosilicate glass. Class A $\pm 0,4$ ; 25 / 50 ml; lungime 180mm; diametrul extern 26mm; intern 22mm
84	Sondă de imersie, TC tip K, flexibilă și foarte subțire	0602 0493	Testo	SUA	termocuplu tip K; L=500mm; temperatura: -200 - (+1000); compatibil cu termometru Testo 735; (Cod produs 0602 0493)	termocuplu tip K; L=500mm; temperatura: -200 - (+1000); compatibil cu termometru Testo 735; (Cod produs 0602 0493)
94	Detergent p/u masina de spalat vesela chimica	SOAP-107-5K0 SOAP-102-5K0	Spania	LabBox	p/u masina de spalat vesela chimica Miele	DETERGENTS FOR LABORATORY USE LABKEM CLEANER, FOR AUTOMATIC WASHING MACHINE ; Amb. 5 kg
101	Pipetă Mohr (bulb pipette) de 50 ml	VPIA-050-001	Spania	LabBox	Material: sticlă borosilică; clasa AS (conf. DIN EN ISO 648 timpul de scurgere: 5 sec.); calibrată la delivrare (TD, Ex); volum: 50,0 ml; limită de eroare: $\pm 0,05$ ml	Material: sticlă borosilică; clasa AS (conf. DIN EN ISO 648 timpul de scurgere: 5 sec.); calibrată la delivrare (TD, Ex); volum: 50,0 ml; limită de eroare: $\pm 0,05$ ml
103	Biux (flacon de cântărire)	WBL3-050-006	Spania	LabBox	Material: DURAN® (sticlă borosilică); formă: joasă; șlif: NS 50/12; dimensiuni: 30	WEIGHING BOTTLE, LOW FORM; Made of borosilicate glass LBG 3.3 ; 30 mm (înălțime), 50 mm (diametru)
104	Filtru p/u sering (nesterile)	MARC	Spania	LabBox	Membrană din celuloză regenerată, diametrul părții filtrante 15 mm, dimensiunile porilor 0,45 $\mu$ m, p/u seringă	Membrană din celuloză regenerată (RC), diametrul exterior 25 mm, dimensiunile porilor 0,45 $\mu$ m, p/u seringă, nesteril
105	Pahare 250 ml	BKL3-250-012	Spania	LabBox	Material: sticlă borosilică; cu "năsuleț" de scurgere; volum 250 ml	BEAKER, LOW FORM, LBG ; Graduated, with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819 ; 250 ml

106	Pahare 400 ml	BKL3-400-006	Spania	LabBox	Material: sticlă borosilicată; cu "năsuleț" de scurgere; volum 400 ml	BEAKER, LOW FORM, LBG ; Graduated, with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819 ; 400 ml
107	Pahare 50 ml	BKL3-050-012	Spania	LabBox	Material: sticlă borosilicată; cu "năsuleț" de scurgere; volum 50 ml	BEAKER, LOW FORM, LBG ; Graduated, with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819 ; 50 ml
115	Capilare pentru punctul de topire	MPC3-090-500	Spania	LabBox	Length in approx. mm - 81,29 Outer diameter in approx. mm- 2,9 Inner diameter in approx. mm – 1,92 Capillaries with one end closed.	TUB CAPILAR PUNCT DE TOPIRE ; Fabricat din sticlă borosilicată LBG 3.3. Cu un capăt sigilat ; Length mm - 90 Outer diameter mm- 1,6 Inner diameter mm – 1,2
121	Spatula-"st. steel"- "micro spoon"	SPNS-180-005	Spania	LabBox	Material: oțel inoxidabil; cu microlingură; lungimea: 180 mm; lățimea lamei: 10 mm; lungimea lamei: 35 mm; diametrul tije: 3,5 mm; autoclavabilă	MICRO SPATULA CU LINGURA; Fabricat din oțel inoxidabil; lungimea: 180 mm; lățimea lamei: 10 mm; lungimea lamei: 35 mm; diametrul tije: 4 mm; lingura 30x18 mm, autoclavabilă
122	Flacon p/u HPLC 1000 ml	SBG3-1K0-010	Spania	LabBox	Flacon gradate din sticlă termostabilă, cu gît larg și capac filetat din sticlă p/u HPLC, volum 1000 ml	FLACON GRADAT CU FILET ISO, BOROSILICAT 3.3 ; Complet autoclavabil la 140°C. Filet GL 45 , conform ISO 4796 ; volum 1000 ml
123	Flacon p/u HPLC 500 ml	SBG3-500-010	Spania	LabBox	Flacon gradate din sticlă termostabilă, cu gît larg și capac filetat din sticlă p/u HPLC, volum 500 ml	FLACON GRADAT CU FILET ISO, BOROSILICAT 3.3 ; Complet autoclavabil la 140°C. Filet GL 45 , conform ISO 4796 ; volum 500 ml
124	Flacon p/u HPLC 250 ml	SBG3-250-010	Spania	LabBox	Flacon gradate din sticlă termostabilă, cu gît larg și capac filetat din sticlă p/u HPLC, volum 250 ml	FLACON GRADAT CU FILET ISO, BOROSILICAT 3.3 ; Complet autoclavabil la 140°C. Filet GL 45 , conform ISO 4796 ; volum 250 ml
138	Pompa de filtrare cu vacuum	VACU-R10-001	Spania	LabBox	Type-N86KT.18 VAC-230 Pmax-2,5 bar Hz-50 W-60 A-1,0	POMPĂ DE VID REZISTENTĂ CHIMIC, LBX R ; Pompă rezistentă chimic, prin urmare, potrivită pentru gaze și vapori foarte agresive sau

Valabilitatea ofertei - 60 zile

Semnat: \_\_\_\_\_

Numele, Prenumele: **Pîslaru Rodica**

In calitate de: **Administrator**

Oferatntul: **SRL «Biotechlab»**

Adresa: **mun. Chișinău, bd. Decebal, 17/Z-7**